

VASCULAR PLANTS OF GRAND TETON NATIONAL PARK, WYOMING REVISED 1968

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In January, 1958 the author published the first annotated checklist of vascular plants of Grand Teton National Park listing 605 species. In the intervening ten years many Park Service practices and policies have changed. The Park Service in cooperation with Montana State University has initiated several ecological studies on vegetation within the park boundaries. Such research projects indicate that the Park Service is now appreciating fully that vegetation is a living, dynamic complex and cannot be preserved as an archeological site can be preserved. Stone (1965) pointed out that even the most uniform vegetation is a mosaic created by local variations in the environment and by prior events as fire, drought and insect infestation. In view of new wildlife management practices and ever expanding human use within the park, a new look at existing vascular plants species is now necessary. This new annotation list is based upon the collecting efforts of many researchers reaching many areas of the park which had been poorly understood before. Since 1958 a concerted effort has been made by the writer to particularly collect specimens in the isolated subalpine and alpine regions of the Teton Range.

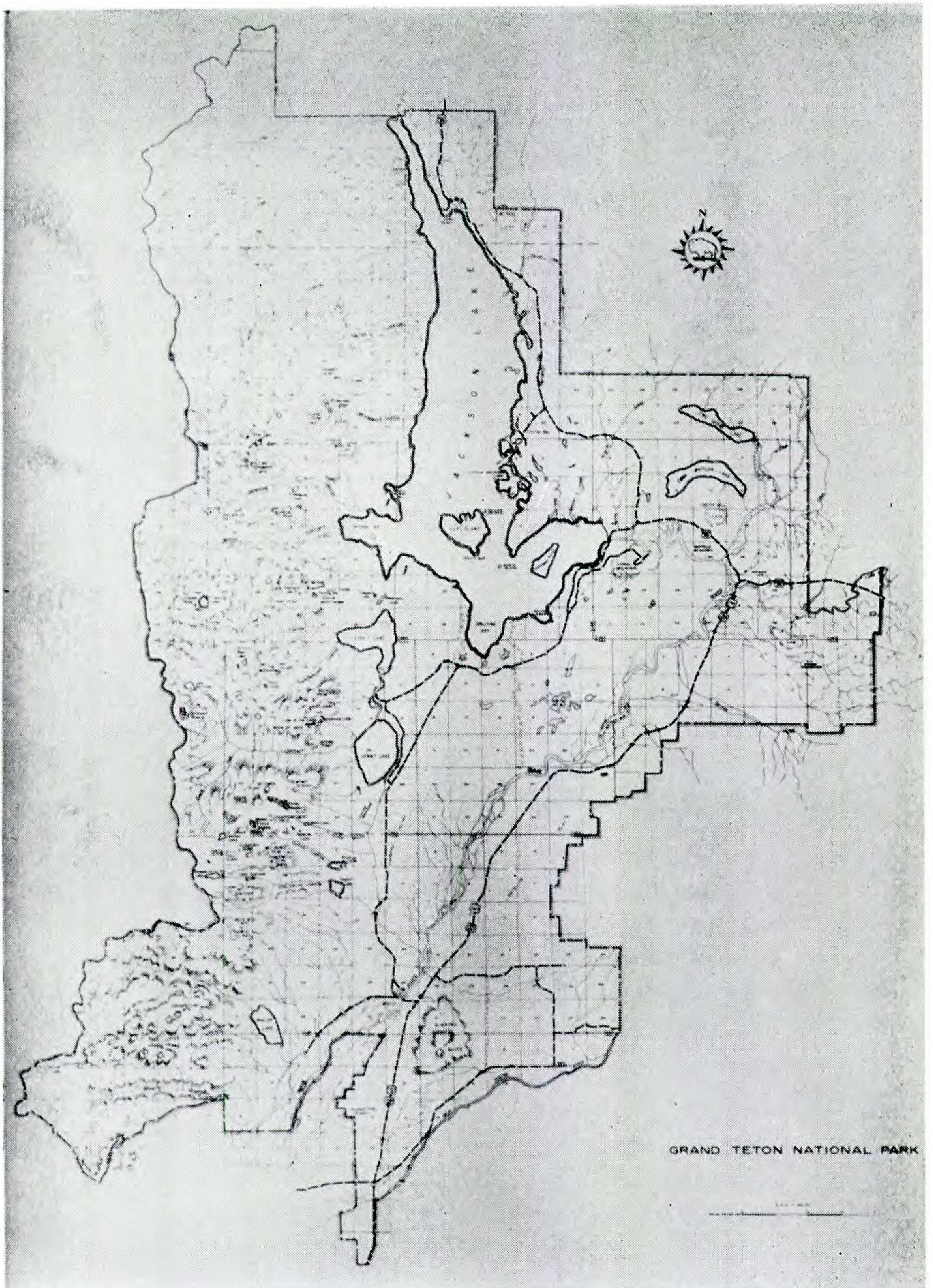
An addendum list to the first checklist is not given because so many nomenclatural changes have been made, and it was felt that annotations regarding many species needed amplification. The reader is referred to Shaw (1958) and Oswald (1966) for data concerning the topography and climate. New concepts on the park's plant communities are emerging from the studies of Laing (1961), Merkle (1962, 1963) and Oswald (1966), and therefore the writer has not attempted to revise his previous analysis of the vegetative types of the park.

ACKNOWLEDGMENTS

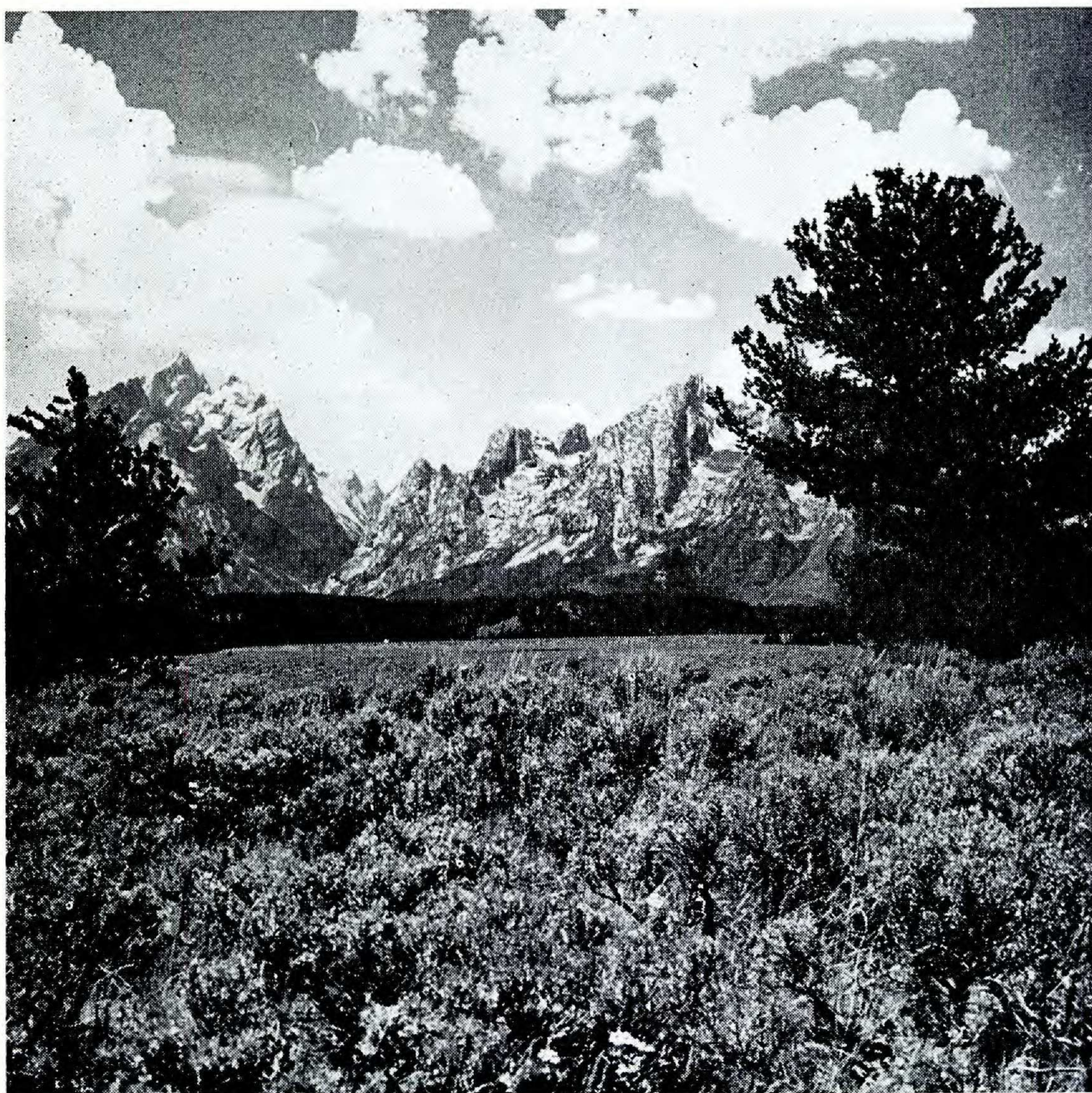
I offer my sincere thanks to the Grand Teton Natural History Association for financial support in publishing this catalogue of plants, and particularly to Chief Naturalist, Willard E. Dilley, whose interest and photography have made completion of the project possible.

Gerrit Davidse, James L. Reveal and Noel H. Holmgren have kindly checked some or all of my material respectively of the *Viola*, *Eriogonum* and *Castilleja* for which I am most grateful.

The curator of the Intermountain Herbarium, Professor Arthur H. Holmgren, has given invaluable assistance and constructive criticism



throughout the duration of the study. I also give thanks to my wife, Marion A. Shaw, and Mrs. Kay B. Gamble for proofreading and typing the manuscript.



Valley and Teton Range of Grand Teton National Park, showing sagebrush and two limber pines.

EXPLANATIONS AND ARRANGEMENT OF THE FLORA

The following list includes all the species, subspecies and varieties of vascular plants of which I have seen specimens, or in a few instances those species seen by reliable observers. In most cases an attempt has been made to include the abundance of each species and its usual habitat. Rare, infrequent, frequent, common, and abundant are the relative terms used.

Families are arranged alphabetically within subdivisions, classes or subclasses. A similar arrangement is followed for genera within families and species within genera. Naturalized species are preceded by an asterisk.

The synonymy is not complete, and includes only those synonyms

which are most apt to be used in recent taxonomic references. Common names are given only after the first species in a genus or only if it is genuine or does not repeat the generic name. In the majority of citations one or two collector's initials and numbers are given. The following abbreviations apply:

LCA—Loren C. Anderson
 AAB—Alan A. Beetle
 WED—Willard E. Dilley
 JBF—J. B. French
 BH—Bryan Harry
 JM—John Merkle

ETO—Edward T. Oswald
 FWP—Frank W. Pierson
 RJS—Richard J. Shaw
 WGS—William G. Solheim
 HVT—Harry V. Truman

The nomenclature and taxonomy follow Hitchcock et al. (see Literature Cited and Consulted), with supplementation from Holmgren and Reveal (1966). Common names are taken from Holmgren and Reveal.

ANNOTATED LIST

SPHENOPSIDA

EQUISETACEAE

- EQUISETUM ARVENSE L. Horsetail. Locally common in wet areas along the trail on the west side of Jenny Lake. RJS 931, JFR 891.
 EQUISETUM HYEMALE L. Infrequent in the Wildlife Range. JFR 2905.
 EQUISETUM LAEVIGATUM A. Br. [*E. kansanum* Schaffn.] Common in the sedge meadow of the Wildlife Range. RJS 950, JFR 1404.
 EQUISETUM VARIEGATUM Schleich. Infrequent in the Wildlife Range. JFR 2206.

LYCOPSIDA

ISOETACEAE

- ISOETES BOLANDERI Engelm. var. PYGMAEA (Engelm.) Clute. Quillwort. Rare in small pond east of Colter Bay Maintenance Area. RJS 1488.

LYCOPODIACEAE

- LYCOPODIUM ANNOTINUM L. Club Moss. Rare on the west sides of Jenny and Leigh Lakes. RJS 879, 886.

SELAGINELLACEAE

- SELAGINELLA Densa Rydb. Spikemoss. Common in the sagebrush flats and in some major canyons up to 9,700 ft. LW 1395, RJS 1492.

PTEROPSIDA

FILICES

MARSILEACEAE

- MARSILEA MUCRONATA A. Br. [*M. oligospora* Goodding, *M. vestita* Hook. and Grev.] Pepperwort. Locally frequent in small ponds of the valley floor. RJS 1020, 1258.

OPHIOGLOSSACEAE

BOTRYCHIUM COULTERI Underw. Grapefern. Rare near outlet of Jenny Lake. LW 1695.

POLYPODIACEAE

ADIANTUM PEDATUM L. Maidenhair. Frequent along stream on south facing slope two miles up Waterfall Canyon. RJS 1000.

ATHYRIUM ALPESTRE (Hoope) Rylands var. *AMERICANUM* Butters. Ladyfern. Frequent by small streams in the North Fork Cascade Canyon. RJS 1571.

ATHYRIUM FILIX-FEMINA (L.) Roth. Frequent along streams draining into the valley lakes, also up to 7,500 ft. in the major canyons. RJS 1003, ETO 1323.

CHEILANTHES SILIQUOSA Maxon. Lipfern. Frequent in rocks on the south facing slope of Waterfall Canyon. 7,500 ft. RJS 1001.

CRYPTOGRAMMA ACROSTICHOIDES R. Br. Rockbrake. Frequent in the lower portions of the major canyons, including Avalanche and Cascade Canyons. RJS 939, 1490.

CYSTOPTERIS FRAGILIS (L.) Bernh. Brittle Bladderfern. Infrequent in rock crevices in Cascade Canyon and the slopes of Symmetry Spire. RJS 973, JFR 3001.

DRYOPTERIS DISJUNCTA (Ledeb.) Morton. Woodfern. Frequent in wet areas at the mouths of the major canyons. RJS 1002, 1430.

POLYSTICHUM LONCHITIS (L.) Roth. Hollyfern. Frequent in rocks in major canyons and couloirs up to 9,000 ft. RJS 966, 1574, LW 1752.

PTERIDIUM AQUILINUM (L.) Kuhn var. *PUBESCENS*. Underw. Bracken. Frequent on talus slopes of the major canyons up to about 8,000 ft., including Waterfall Canyon. RJS 999, LW 1323.

WOODSIA SCOPULINA D. C. Eaton. Frequent in talus slopes up to 8,000 ft., major canyons. RJS 551, JFR 2998.

GYMNOSPERMAE

CUPRESSACEAE

JUNIPERUS COMMUNIS L. var. *SAXATILIS* Pall. Mountain Juniper. Frequent on the east shore of String Lake, mouth of Cascade Canyon, and Wildlife Range. RJS 1345.

JUNIPERUS SCOPULORUM Sarg. Common on Blacktail Butte and in the Gros Ventre river bottoms. WED.

PINACEAE

ABIES LASIOCARPA (Hook.) Nutt. Subalpine Fir. Abundant on moraines and mountains up to timberline. RJS.

PICEA ENGELMANNII Parry. Engelmann Spruce. Common on the west shores of the valley lakes and throughout the canyons up to about 8,500 ft. RJS.

PICEA PUNGENS Engelm. Abundant along Snake River. RJS.

PINUS ALBICAULIS Engelm. Whitebark Pine. Common in the canyons above 8,000 ft. RJS.

PINUS CONTORTA Dougl. Abundant throughout the valley, in pot holes and on moraines. RJS 881 (see *Arceuthobium*, *Loranthaceae*).

PINUS FLEXILIS James. Frequent on the moraines. RJS.

PESUDOTSUGA MENZIESII (Mirb.) Franco. Douglas Fir. Common on the moraines and in the canyons below 8,500 ft. RJS.

ANGIOSPERMAE
DICOTYLEDONEAE
ACERACEAE

ACER GLABRUM Torr. Rocky Mt. Maple. Infrequent on west shore of Jenny Lake, also on slopes between Laurel and String Lakes. LW 1344.

ANACARDIACEAE

RHUS RADICANS L. [*R. toxicodendron* of American authors. *Toxicodendron radicans* (L.) Kuntze] Poison Ivy. Locally frequent in rocky outcropping 150 yds. south of Hotspring Area, west side of Jackson Lake. RJS 1340.

APOCYNACEAE

APOCYNUM ANDROSAEMIFOLIUM L. Dogbane. Frequent around the shores of the valley lakes. RJS 663, LW 1679.

BERBERIDACEAE

BERBERIS REPENS Lindl. [*Mahonia repens* G. Don] Creeping Barberry. Frequent around the shores of the valley lakes. LW 1692.

BETULACEAE

ALNUS TENUIFOLIA Nutt. Thinleaf Alder. Frequent around shores of the valley lakes and along the Snake River. RJS 621, JFR 2205.

BETULA GLANDULOSA Michx. Birch. Infrequent in meadows of the valley and some canyons. RJS 737, JFR 2547.

BETULA OCCIDENTALIS Hook. Rare on south end of Blacktail Butte, about 6,600 ft. RJS 1448.

BORAGINACEAE

CRYPTANTHA AFFINIS (A. Gray) Greene. Common in waste places throughout the valley. LW 1201, JFR 1640a.

CRYPTANTHA TORREYANA (A. Gray) Greene. Dry flats, Double Diamond Ranch. LW 1616.

CRYPTANTHA WATSONII (A. Gray) Greene. Frequent in disturbed sites at Colter Bay Village. RJS 1558.

*CYNOGLOSSUM OFFICINALE L. Hound's Tongue. Infrequent south end of Jenny Lake road. RJS.

ERITRICHIUM NANUM (Vill.) Schrad. var. *ELONGATUM* (Rydb.) Cronq. Locally frequent above 10,000 ft. on such peaks as Grand Teton, Middle Teton, and Disappointment. RJS 748, 861.

HACKELIA DIFFUSA (Lehm.) I. M. Johnst. Stickseed. Frequent in aspen groves of the Wildlife Range. JFR.

HACKELIA FLORIBUNDA (Lehm.) I. M. Johnst. Common in waste places. JFR 1635.

HACKELIA JESSICAE (McGreg.) Brand. Frequent along the Snake River. RJS 507.

HACKELIA PATENS (Nutt.) I. M. Johnst. Common on roadside cuts near Park Headquarters and Bradley Lake moraine. RJS 506, LW 765.

LAPPULA REDOWSKII (Hornem.) Greene. Stickseed. Disturbed areas along Snake River. ETO 1116.

LITHOSPERMUM RUDERALE Dougl. Gromwell. Frequent along Snake River extending out into the sagebrush flats. RJS.

MERTENSIA CILIATA (James) G. Don. Bluebell. Common in moist places in the major canyons up to 9,000 ft. RJS 1016.

MERTENSIA OBLONGIFOLIA (Nutt.) G. Don. Common in the sagebrush flats throughout the valley. WED.

MYOSOTIS LAXA Lehm. Forget-Me-Not. Locally frequent, cobblestone river bottom south of Park Hdqts. RJS 1525.

MYOSOTIS SYLVATICA Hoffm. var. ALPESTRIS (F. W. Schmidt) Koch. Infrequent in rocky soil, Skyline Trail. LCA 159.

PLAGIOBOTHRYIS SCOULERI (Hook. & Arn.) Johnst. var. PENICILLATUS (Greene) Cronq. [*P. cognatus* I. M. Johnst. *P. cusicki* Greene] Popcorn Flower. Locally frequent in pond east of Colter Bay Fire Cache. RJS 919, 1516, LW 1628.

CACTACEAE

OPUNTIA FRAGILIS (Nutt.) Haw. Brittle Prickly-pear. Frequent on banks of Snake River in area of Deadman's Bar. RJS 880.

CALLITRICHACEAE

CALLITRICHE VERNA L. [*C. palustris* of American authors, not L.] Waterstarwort. Common on pools and adjacent mud of the Wildlife Range. JFR 1513.

CAMPANULACEAE

CAMPANULA ROTUNDIFOLIA L. Bluebell. Common along roadsides throughout the valley, also in coniferous forests. RJS 984.

PORTERELLA CARNOSULA (Hook. & Arn.) Torr. Locally frequent in shallow water at the margin of ponds, from Signal Mt. north. RJS 870, 1498.

CAPRIFOLIACEAE

LINNAEA BOREALIS L. ssp. LONGIFLORA (Torr.) Hulten. Twin-flower. Locally frequent in shade of lodgepole pine forest; ¼ mile south of Signal Mt. Campground, 6,800 ft. RJS 722, 1510.

LONICERA INVOLUCRATA (Rich.) Banks. Bearberry Honeysuckle. Frequent around the shores of the valley lakes. RJS 629.

LONICERA UTAHENSIS S. Wats. Common in the coniferous forest of the valley and canyons. RJS 1200.

SAMBUCUS RACEMOSA L. ssp. PUBENS (Michx.) House var. MELANOCARPA (A. Gray) McMinn. [*S. melanocarpa* A. Gray] Elderberry. Frequent around the shores of the valley lakes and along the Snake River. JFR, RJS 987.

- SAMBUCUS RACEMOSA L. ssp. PUBENS (Michx.) House var. MICROBOTRYS (Rydb.) Kearney & Peebles. [*S. microbotrys* Rydb.] Frequent 2 miles up Indian Paintbrush Canyon, also Death Canyon.
- SYMPHORICARPOS ALBUS (L.) Blake var. LAEVIGATUS (Fern.) Blake. [*S. rivularis* Suksd.] Snowberry. Frequent in sagebrush flats and moraines of the valley. JFR.
- SYMPHORICARPOS OCCIDENTALIS Hook. Frequent in moist aspen groves of the Wildlife Range. JFR 3013.
- SYMPHORICARPOS OREOPHILUS A. Gray var. UTAHENSIS (Rydb.) A. Nels. [*S. vaccinioides* Rydb., *S. tetonensis* A. Nels., *S. rotundifolius*, A. Gray.] Frequent in sagebrush flats and moraines of the valley. RJS 530, ETO 1189.

CARYOPHYLLACEAE

- *AGROSTEMMA GITHAGO L. Corn-Cockle. Rare in disturbance sites Willow Flats Overlook. RJS 1495.
- ARENARIA CONGESTA Nutt. Sandwort. Common in the sagebrush flats and moraines of the valley; also at Timberline Lake. LW 1200, RJS 1583.
- ARENARIA LATERIFLORA L. Infrequent in moist shaded areas of the valley. WGS 3925, RJS 1188.
- ARENARIA NUTTALLII Pax. Rare on very top of divide between South Cascade and Alaska Basin, 10,000 ft. RJS 1012.
- ARENARIA OBTUSILOBA (Rydb.) Fern. [*A. sajanensis* Schlecht.] Frequent above timberline on major peaks. RJS 1586, LCA 216.
- CERASTIUM ARVENSE L. Mouse-Ear Chickweed. Frequent near Sawmill Ponds on the Wilson Road, also Snake River bottom. LW 1116, RJS 1190.
- LYCHNIS ALBA Mill. Campion. Waste areas Biological Station. ETO 1166.
- SAGINA SAGINOIDES (L.) Karst. Pearlwort. Common in streambeds and waste places in Pacific Creek area. LW 1734.
- SILENE ACAULIS L. Moss Silene. Frequent in rocks around alpine lakes, up to 10,000 ft. RJS 679.
- SILENE MENZIESII Hook. ssp. MENZIESII. Infrequent in moist shaded areas of the valley. RJS 645, 1410.
- *SILENE NOCTIFLORA L. Rare, horse concession on Cottonwood Creek. RJS 692.
- SILENE PARRYI (S. Wats.) C. L. Hitchc. & Maguire. Infrequent in canyons above 9,500 ft. RJS 687, LW 1699.
- SPERGULARIA RUBRA (L.) J. & C. Presl. Sandspurry. Common in the open areas of the sagebrush flats. JFR 1938, RJS 501.
- STELLARIA CALYCANTHA (Ledeb.) Bong. Starwort. Major canyons of the range. JFR 3003.
- STELLARIA LONGIFOLIA Muhl. Frequent in the shrub-swamp of the Wildlife Range. JFR.

STELLARIA LONGIPES Goldie. Common in the meadows of the Wildlife Range. JFR 1835, ETO 1171.

CELASTRACEAE

PACHISTIMA MYRSINITES (Pursh) Raf. Mountain Lover. Common on moraines and shores of the valley lakes and extending up to 9,000 ft. in mts. RJS 1562, LW 1134.

CERATOPHYLLACEAE

CERATOPHYLLUM DEMERSUM L. Hornwort. Frequent near the outlet of Two Ocean Lake, also Swan Lake. WGS 4500, RJS 710½.

CHENOPODIACEAE

*CHENOPODIUM ALBUM L. Lambsquarter. Locally common in waste places. JFR 1656.

*CHENOPODIUM ATROVIRENS Rydb. Disturbed roadside near Jackson Lake Dam. JFR 2649.

*CHENOPODIUM CAPITATUM (L.) Asch. Locally common in waste places. JFR 2197.

*KOCHIA SCOPARIA (L.) Schrad. Summer Cypress. Common in waste places of the valley. JFR.

*MONOLEPIS NUTTALLIANA (Schult.) Greene. Poverty Weed. Common in waste places of the valley. RJS 1552, JFR 2198.

*SALSOLA KALI L. var. TENUIFOLIA Tausch. Russian Thistle. Common in waste places of the valley. JFR 2514.

COMPOSITAE

ACHILLEA MILLEFOLIUM L. ssp. LANULOSA (Nutt.) Piper. Yarrow. Abundant throughout the valley and lower portions of the major canyons. RJS.

ACHILLEA MILLEFOLIUM L. ssp. LANULOSA (Nutt.) Piper var. ALPICOLA (Rydb.) Garrett. Infrequent in tundra above 10,000 ft. RJS 877, 1591.

AGOSERIS AURANTIACA (Hook.) Greene var. AURANTIACA. False Dandelion. Frequent up to 9,000 ft., in the major canyons. RJS 976.

AGOSERIS AURANTIACA (Hook.) Greene var. PURPUREA (A. Gray) Cronq. Frequent on first terrace above Pacific Creek and north slope of Signal Mt. JFR 936, WGS 4083.

AGOSERIS GLAUCA (Pursh) Raf. var. GLAUCA. Frequent, morainal soil; Colter Bay Apartment Area. RJS 1451.

AGOSERIS GLAUCA (Pursh) Raf. var. LACINIATA (D. C. Eaton) Smiley. Frequent in the meadows of the Wildlife Range. JFR 2181.

ANAPHALIS MARGARITACEA (L.) Benth. & Hook. Pearl Everlasting. Frequent ¼ mile above main bridge, Indian Paintbrush Canyon, 8,400 ft. RJS 878.

ANTENNARIA ALPINA (L.) Gaertn. var. MEDIA (Greene) Jeps. Pussytoes. Amphitheater Lake. JM 62-68.

- ANTENNARIA APRICA Greene. Frequent in Cascade Canyon, also at the Wildlife Range. LW 1225, JFR 2146.
- ANTENNARIA ARIDA E. Nels. Common in the sagebrush flats near Moose. LW 1639, JFR 2169.
- ANTENNARIA CORYMBOSA E. Nels. Common in the sagebrush flats west of Moose. JFR 2227.
- ANTENNARIA DIMORPHA (Nutt.) Torr. & Gray. Infrequent in sagebrush flats of the valley. JFR 1877.
- ANTENNARIA LUZULOIDES Torr. & Gray. Frequent on rocky flats of valley and slopes of the Teton Range. JFR 2115, LW 744, 1220, RJS 1519.
- ANTENNARIA PARVIFOLIA Nutt. Common on dry terraces of the Pacific Creek area. JFR 961.
- ANTENNARIA RACEMOSA Hook. Common on the north exposure of Signal Mt. and major canyons. JFR 2750, RJS 1560.
- ANTENNARIA ROSEA (Eat.) Greene. Common in sagebrush flats and moraines of the valley. RJS 533, JFR 1021.
- ANTENNARIA UMBRINELLA Rydb. Frequent near outlet of School-room Glacier Lake, 10,000 ft. RJS 1028.
- ARNICA CHAMISSONIS Less. ssp. FOLIOSA (Nutt.) Maguire. Locally common in moist places in timber, Snake River bottoms. LW 1332.
- ARNICA CORDIFOLIA Hook. Common in the coniferous forests of the valley. JFR 1921.
- ARNICA LATIFOLIA Bong. Frequent in the major canyons, 7,000 to 8,000 ft. LW 1667.
- ARNICA LONGIFOLIA D. C. Eaton ssp. LONGIFOLIA. Locally common in canyons and couloirs from 7,500 ft. to 10,000 ft. RJS 969, LW 1404.
- ARNICA MOLLIS Hook. var. MOLLIS. Frequent in bog west of Taggart Lake. LW 1191.
- ARNICA PARRYI A. Gray. Frequent in Moose Ponds west of Moose. WGS 3905.
- *ARTEMISIA ABROTANUM L. Sagebrush. Remaining from previous cultivation. JFR 2533.
- ARTEMISIA ARBUSCULA Nutt. Locally common on valley floor north of Park Hdqts. JFR 1380, 2215.
- ARTEMISIA CANA Pursh: ssp. CANA var. VISCIDULA Osterh. Locally common along the Snake River. RJS 982, JFR 1131.
- ARTEMISIA DRACUNCULUS L. [*A dracunculoides* Pursh] Infrequent in waste places of the valley. JFR 2763.
- ARTEMISIA FRIGIDA Willd. Gravelly ridges above Triangle X Ranch. AAB 14731.
- ARTEMISIA LUDOVICIANA Nutt. ssp. CANDICANS (Rydb.) Keck. Frequent along the Snake River. RJS 954, JFR 3061.
- ARTEMISIA LUDOVICIANA Nutt. ssp. LUDOVICIANA var. LATILO-

- BA Nutt. Frequent in Wildlife Range and Death Canyon. RJS 982, ETO 1344.
- ARTEMISIA NORVEGICA Fries ssp. SAXATALIS (Besser) Hall & Clements. Frequent on east slope of Static Peak south of Timberline Lake 10,200 ft. RJS 1579.
- ARTEMISIA TRIDENTATA Nutt. Abundant throughout the valley. JFR 948.
- ASTER ALPIGENUS (Torr. & Gray) A. Gray var. HAYDENII (Porter) Cronq. Frequent on the shores of alpine lakes and on some mountain summits. RJS 990, 1508, LCA 529.
- ASTER CAMPESTRIS Nutt. Common along Snake River. LW 1638, JFR 1452.
- ASTER CANESCENS Pursh. Common in sagebrush flats of the valley. JFR 1369, RJS 1256.
- ASTER CHILENSIS Nees ssp. ADSCENDENS (Lindl.) Cronq. Common on dry terraces above Pacific Creek. JFR 950.
- ASTER CONSPICUUS Lindl. Common on the north side of Signal Mt. JFR 2737.
- ASTER ENGELMANNII (D.C. Eaton) A. Gray. Frequent around the shores of the valley lakes and in the major canyons up to 9,000 ft. RJS 1010, LW 921.
- ASTER FOLIACEUS Lindl. var. APRICUS A. Gray. Infrequent in the lodgepole pine forest of the valley. JFR 1054.
- ASTER FOLIACEUS Lindl. var. PARRYI (D.C. Eaton) A. Gray. Common in the pothole area of the valley. JFR 1550.
- ASTER HESPERIUS A. Gray var. LAETEVIRENS (Greene) Cronq. [*A. coerulescens* DC. var. 1. Cronq.] Common in the sedge grass meadow of the Wildlife Range. JFR 887.
- ASTER INTEGRIFOLIUS Nutt. Common throughout the valley floor, also collected in the Lake Solitude area. LW 1707, JFR 2667.
- ASTER OCCIDENTALS (Nutt.) Torr. & Gray var. OCCIDENTALIS. Common in the streamside forest. JFR 883.
- ASTER PERELEGANS Nels. & Macbr. Frequent in outwash plain and extending up the mountains. LW 899.
- BALSAMORHIZA MACROPHYLLA Nutt. Balsamroot. Rare, 1/2 mile north of Menor's Ferry. WED 2868.
- BALSAMORHIZA SAGITTATA (Pursh) Nutt. Abundant in sagebrush flats and on moraines of the valley. JFR 2879.
- BIDENS CERNUA L. Beggar-tick. Common along west shore of upper Sawmill Pond, one mile south of Moose. RJS 759.
- BRICKELLIA GRANDIFLORA (Hook.) Nutt. Frequent on the lower portions of the canyon trails. RJS 676.
- *CARDUUS NUTANS L. Bristlethistle. Gros Ventre road near east park boundary. WED 64-6.

- CHAENACTIS ALPINA (Gray) M. E. Jones. Infrequent on Skyline Trail above 9,000 ft. and Garnet Canyon. RJS 548, 1480.
- CHAENACTIS DOUGLASII (Hook.) H. & A. Frequent along Snake River Bottom. LW 1150, JFR 2694.
- *CHRYSANTHEMUM LEUCANTHEMUM L. Infrequent Beaver Creek residential area. WED 2824.
- CHRYSOPSIS VILLOSA (Hook.) Nutt. Golden Aster. Infrequent in the loose gravel of the Snake River and Pilgrim Creek. RJS 1409, LW 1315, JFR 2526.
- CHRYSOTHAMNUS NAUSEOSUS (Pall.) Britt. Rabbitbrush. Abundant on the east side of the Snake River. JFR 2658, RJS 1347.
- *CIRSIIUM ARVENSE (L.) Scop. Thistle. Common in waste places. JFR 1653.
- CIRSIIUM EATONI (A. Gray) Robinson. Frequent in the talus slope of the major canyons. RJS 997, JM 63-72.
- CIRSIIUM FOLIOSUM (Hook.) DC. [*C. drummondii* T. & G.] Common in wet meadows throughout the valley. JFR 1330.
- *CIRSIIUM VULGARE (Savi) Tenore. Infrequent in Moose residential area. WED 2952.
- *CONYZA CANADENSIS (L.) Cronq. Infrequent in waste places. JFR 2538.
- CREPIS ACUMINATA Nutt. Hawk's Beard. Infrequent in streambeds and under lodgepole pine. JFR 2245, LW 1240.
- CREPIS ATRIBARBA Heller. North slope of Signal Mt. WGS 4084.
- CREPIS MODOCENSIS Greene. Frequent in sagebrush, Sawmill Ponds area. RJS 620, 833.
- *CREPIS TECTORUM L. Frequent along Snake River. JFR 2525.
- ERIGERON COMPOSITUS Pursh. Daisy; Fleabane. Rocky alpine meadow, South Cascade Canyon, 10,300 ft. and Amphitheater Lake. JBF 40, JM 62-108.
- ERIGERON DIVERGENS Torr. & Gray. Common in the sagebrush flats and the Snake River bottom. LW 1630, ETO 1315.
- ERIGERON EATONII A. Gray. Frequent in rocks near Hidden Falls. LW 1104.
- ERIGERON GLABELLUS Nutt. Frequent along the Snake River. JFR 884.
- ERIGERON LEIOMERUS A. Gray. Infrequent in sub-alpine and alpine meadows above 9,000 ft. LW 912, LCA 533.
- ERIGERON LONCHOPHYLLUS Hook. Infrequent along streams north of Jackson Lake Dam. RJS 951.
- ERIGERON OCHROLEUCUS Nutt. Frequent in the sagebrush areas of the Wildlife Range. JFR.
- ERIGERON PEREGRINUS (Pursh) Greene ssp. CALLIANTHEMUS (Greene) Cronq. Frequent on the shores of sub-alpine lakes above 9,000 ft. RJS 992, LW 1348.

- ERIGERON PUMILUS Nutt. ssp. INTERMEDIUS Cronq. Common in the sagebrush flats throughout the valley. RJS 908.
- ERIGERON SPECIOSUS (Lindl.) DC. var. MACRANTHUS (Nutt.) Cronq. Common in sagebrush flats and along the Snake River. LW 1661, 1331.
- ERIOPHYLLUM LANATUM (Pursh) Forbes var. INTEGRIFOLIUM (Hook.) Smiley. Common in the sagebrush flats and on the moraines of the valley. RJS 532.
- GNAPHALIUM MICROCEPHALUM Nutt. Cudweed; Everlasting Rare, north facing slope, one mile below Hanging Lake in Snowshoe Canyon. RJS 1422.
- GNAPHALIUM PALUSTRE Nutt. Common along Snake River. LW 1401, JFR 874.
- *GRINDELIA SQUARROSA (Pursh) Dunal. Gumweed. Common in waste places. JFR 2531.
- HAPLOPAPPUS ACAULIS (Nutt.) A. Gray. Goldenweed. Infrequent west side of Blacktail Butte. ETO 1141.
- HAPLOPAPPUS SUFFRUTICOCUS (Nutt.) A. Gray. Infrequent two miles up Avalanche Canyon, also in Alaska Basin. RJS 688, 1352.
- HELIANTHELLA QUINQUENERVIS (Hook.) A. Gray. Locally common on morainal soil on the east shore of Jenny Lake, also in Wildlife Range. RJS 948, JFR 2841.
- HELIANTHELLA UNIFLORA (Nutt.) Torr. & Gray. Common on moraines of valley and extending into canyons. LW 1209.
- *HELIANTHUS ANNUUS L. Sunflower. Frequent in waste places and on the road to Two Ocean Lake. WED 64-5.
- HIERACIUM ALBIFLORUM Hook. Hawkweed. Frequent on trail west side of Jenny Lake. RJS 935, LW 847.
- HIERACIUM CYNOGLOSSOIDES Arv. Infrequent on slopes of Symmetry Spire and in the lodgepole pine area of the Wildlife Range. RJS 971.
- HIERACIUM GRACILE Hook. Frequent $\frac{1}{4}$ mile south and east of Timberline Lake. RJS 1582.
- HIERACIUM SCOULERI Hook. Frequent in the sagebrush community, Wildlife Range. JFR 3018.
- HYMENOXYS GRANDIFLORA (Torr. & Gray) Parker. Frequent along Skyline Trail above 9,500 ft. RJS 665, 1351, LCA 158.
- *IVA XANTHIFOLIA Nutt. Sumpweed. Common in waste places. JFR 2648.
- LACTUCA PULCHELLA (Pursh) DC. Lettuce. Infrequent along main highway just south of Timbered Island. RJS 873.
- *LACTUCA SERRIOLA L. [*L. integrata* (Gren. & Codr.) A. Nels.] Frequent in streambeds and in waste places. JFR 2554.
- *MADIA GLOMERATA Hook. Tarweed. Locally common in waste places throughout the valley. RJS 940, JFR 1280.

- **MATRICARIA CHAMOMILLA* L. Mayweed. Rare roadside cut near Taggart Creek and Teton Park Road. RJS 1441.
- **MATRICARIA MATRICARIOIDES* (Less.) Porter. Common in waste places throughout the valley. JFR 1279.
- MICROSERIS NUTANS* (Geyer) Schultz-Bip. Infrequent in Lupine Meadow south of Jenny Lake. RJS 623.
- **RATIBIDA COLUMNIFERA* (Nutt.) Woot. & Standl. Coneflower. Rare on roadside cut near Jackson Lake Ranger Station. WED 2823.
- RUDBECKIA OCCIDENTALIS* Nutt. Coneflower. Locally frequent in moist areas around streams and lakes. ETO 1212.
- SENECIO CANUS* Hook. Groundsel. Infrequent in rocks of tundra above 10,000 ft. RJS 1590, (1438-pubescent form).
- SENECIO CRASSULUS* A. Gray. Frequent in quaking aspen in area of Two Ocean Lake, also major canyons above 9,400 ft. LW 1647, RJS 1440.
- SENECIO CYMBALARIOIDES* Nutt. Frequent in the Wildlife Range. JFR 935.
- SENECIO DIMORPHOPHYLLUS* Greene var. *PAYSONI* T. M. Barkley. Frequent in main couloir on the east face of Symmetry Spire, 9,000 ft. LW 1027, RJS 965.
- SENECIO HYDROPHILUS* Nutt. Frequent in the meadows of the Wildlife Range and pond east of Colter Bay Fire Cache. RJS 1527.
- SENECIO INTEGERRIMUS* Nutt. Common in the sagebrush flats throughout the valley. JFR 1882.
- SENECIO PAUPERCULUS* Michx. var. *THOMSONIENSIS* (Greenm.) Boiv. Frequent on west side of valley. RJS 1402, 1216.
- SENECIO SERRA* Hook. Frequent on the dry bottoms of Cottonwood Creek. LW 1659.
- SENECIO SPHAEROCEPHALUS* Greene. Disturbed area in Willow Flats north of Jackson Lake Dam. ETO 1334.
- SENECIO TRIANGULARIS* Hook. Common along streams in Cascade Canyon. LW 1670, 1704.
- SOLIDAGO CANADENSIS* L. var. *SALEBROSA* (Piper) M. E. Jones. [*S. lepida* DC.] Goldenrod. Frequent in disturbed areas along Snake River east of Biological Station. JFR 1541.
- SOLIDAGO MISSOURIENSIS* Nutt. Frequent in the streamside forest of the Wildlife Range. JFR 2832.
- SOLIDAGO MULTIRADIATA* Ait. [*S. ciliosa* Greene.] Frequent along the Snake River and lower portions of the major canyons. LW 1645, RJS 531.
- SOLIDAGA NANA* Nutt. Dry hillside in Cascade Canyon. LW 1683.
- SOLIDAGO SPATHULATA* DC. Common in the meadows east and north of Jackson Lake Dam. JFR 1475.
- STEPHANOMERIA TENUIFOLIA* (Torr.) Hall. Wirelettuce. Frequent on wet sand and rocky bars of the Snake River. LW 1321.

**TANACETUM VULGARE* L. Tansy. Frequent along Snake River below Jackson Lake Dam, remaining from previous cultivation. JFR 1654, RJS 1008.

**TARAXACUM OFFICINALE* Weber. Dandelion. Abundant throughout the valley. JFR 2007.

TETRADYMIA CANESCENS DC. [*T. inermis* Nutt.] Horsebrush. Locally common in the sagebrush of the valley floor. JFR 2961.

**TRAGOPOGON DUBIUS* Scop. Goatsbeard. Disturbance sites throughout the valley. RJS.

**TRAGOPOGON PORRIFOLIUS* L. Frequent in waste places and sagebrush flats throughout the valley. JFR 1368.

VIGUIERA MULTIFLORA (Nutt.) Blake. var. *MULTIFLORA*. Golden-eye. Common along main highway north of Jackson Lake Lodge. RJS 740, 1600, LW 964.

WYETHIA AMPLEXICAULIS Nutt. Mulesears. Frequent along roadside, ¼ mile east of Moose on road to Elk, Wyo. RJS 832.

WYETHIA HELIANTHOIDES Nutt. Frequent in moist meadow, Highway 89, 4 miles north of Colter Bay. RJS 838.

CORNACEAE

CORNUS STOLONIFERA Michx. Redosier Dogwood. Frequent around the shores of the valley lakes, also at Park Hdqts. RJS 1201, JFR 2734.

CRASSULACEAE

SEDUM DEBILE S. Wats. Stonecrop. Frequent along the lower slopes of the range. WED.

SEDUM LANCEOLATUM Torrey. Common in outwash plain. RJS 1225.

SEDUM ROSEA (L.) Scop. ssp. *INTEGRIFOLIUM* (Raf.) Hult. Frequent in moist meadows and stream banks above 9,000 ft. RJS 1485, 1524.

SEDUM STENOPETALUM Pursh. Common in sagebrush flats. HEB 1896.

SEDUM RHODANTHUM. A. Gray. Frequent in Indian Paintbrush and Snowshoe Canyons above 8,000 ft. RJS 898, 1423.

CRUCIFERAE

ARABIS COBRENSIS M. E. Jones. Rock Cress. Pilgrim Creek. HVT 54171.

ARABIS DRUMMONDII A. Gray. Frequent on moraines and outwash plain of the valley. JFR 2134.

ARABIS GLABRA (L.) Bernh. Frequent in the Wildlife Range and Willow Flats. JFR 1324, ETO 1231.

ARABIS HIRSUTA Scop. Frequent in the meadows of the Wildlife Range. JFR 2137.

ARABIS HOLBOELLII Hornem. var. *PENDULOCARPA* (A. Nels.) Rollins. Common on the moraines and sagebrush flats. RJS 502, JFR 2176.

ARABIS HOLBOELLII Hornem. var. *RETROFRACTA* (Graham) Rydb. Disturbance area in Wildlife Range. JFR 1643.

- ARABIS LYALLII S. Wats. Frequent in meadows of subalpine lakes above 9,000 ft. JM 63-38, RJS 1593.
- ARABIS NUTTALLII Robinson. Frequent in the meadows of the Wildlife Range. JFR 1998.
- BARBAREA ORTHOCERAS Ledeb. var. ORTHOCERAS [*B. americana* Rydb.] Wintercress. Infrequent in the Wildlife Range. JFR 2318.
- *CAPSELLA BURSA-PASTORIS (L.) Medic. Shepherd's Purse. Common in waste places throughout the park. JFR 1278.
- CARDAMINE BREWERI S. Wats. Bittercress. Frequent in the Wildlife Range. JFR 2862.
- CARDAMINE OLIGOSPERMA S. Wats. Wildlife Range. ETO 1169.
- *CHORISPORA TENELLA (Pall.) DC. West side of highway north of Kelly Road Junction. WED 2825.
- DESCURANIA CALIFORNICA (A. Gray) O. E. Schulz. Tansymustard. Teton Glacier Trail. HVT 54367.
- *DESCURANIA PINNATA (Walt.) Britt. Frequent in waste places throughout the park. JFR 2155.
- DESCURANIA RICHARDSONII (Sweet) O. E. Schulz. Biological Station and Death Canyon. HEB 1878, ETO 1269.
- *DESCURANIA SOPHIA (L.) Webb. Frequent in waste places. JFR 1658.
- DRABA APICULATA C. L. Hitchc. Rare, east shore of Timberline Lake, 10,400 ft. RJS 1594.
- DRABA CRASSA Rydb. Frequent below summit of Middle Teton, 12,300 ft. RJS 1482.
- DRABA CRASSIFOLIA Graham. Amphitheater Cirque. JM 62-16.
- DRABA LONCHOCARPA Rydb. [*D. nivalis* Lilj. var. *elongata* S. Wats.] Infrequent on talus slopes and rock crevices above 9,000 ft. LW 1018A.
- DRABA NEMOROSA L. South side Burnt Ridge. ETO 1050, WED 64-2.
- DRABA OLIGOSPERMA Hook. Frequent on rocky slopes and exposed ridges above 10,000 ft. LCA 135, LW 1311.
- DRABA STENOLOBA Ledeb. var. NANA (O. E. Schulz) C. L. Hitchc. Common in the Wildlife Range. JFR 1836.
- ERYSIMUM CAPITATUM (Dougl.) Greene [*E. asperum* of Intermountain authors in part not (Nutt.) DC., *E. wheeleri* Rothr.] Wallflower. Infrequent on Cascade Canyon switchbacks above Hidden Falls Bridge, 6,800 ft. RJS 845, 641.
- *ERYSIMUM CHEIRANTHOIDES L. Infrequent in aspen groves of the Wildlife Range and south slopes of Signal Mt. JFR 1111, ETO 1328.
- ERYSIMUM NIVALE (Greene) Rydb. Head of Death Canyon 9,500 ft. HEB 171.
- *LEPIDIDIUM CAMPESTRE (L.) R. Br. Pepperweed. Common in waste places. JFR 1281.
- *LEPIDIDIUM DENSILFLORUM Schrad. var. BOURGEAUANUM (Thell.) C. L. Hitchc. Common in the sagebrush flats of the valley. JFR 2516.
- *LEPIDIDIUM PERFOLIATUM L. Frequent in waste places. JFR 2754.

LESQUERELLA PROSTRATA A. Nels. Bladderpod. Common along Snake River and barren hill north of Kelly Warm Spring. WED 2953, JFR 1807.

NASTURTIIUM OFFICINALE R. Br. [*Rorippa nasturtium-aquaticum* Schinz. & Thell.] Watercress. Frequent on delta at the mouth of Cascade Creek, west shore of Jenny Lake. RJS 885, 512.

PHYSARIA ACUTIFOLIA Rydb. [*P. australis* (Pays.) Rollins.] Twinpod. Infrequent on switchbacks just north of the Schoolroom Glacier, South Cascade Canyon, 10,000 ft. RJS 1011.

RORIPPA CURVISILICUA (Hook.) Bess. Yellowcress. Frequent around edge of pond one mile east of String Lake Picnic Area. RJS 918.

RORIPPA ISLANDICA (Oeder.) Borb. [*R. palustris* (Moench.) Bess.] Common in wet areas of the Wildlife Range. JFR 2523.

SMELOWSKIA CALYCINA C. A. Meyer var. AMERICANA (Regel & Herder) Roll. Frequent on switchbacks beside the Schoolroom Glacier, 10,000 ft., South Cascade Canyon, Middle Teton 12,500 ft. RJS 711, 1481.

*THLASPI ARVENSE L. Pennycress. Common in waste places. RJS 637.

THLASPI FENDLERI A. Gray [*T. alpestre* of American authors, not L.] Common in the meadows of the Wildlife Range. JFR 1990.

ELAEAGNACEAE

ELAEAGNUS COMMUTATA Bernh. Silverberry. Frequent along the Snake River. RJS 849, 1238.

SHEPHERDIA CANADENSIS (L.) Nutt. Russett Buffaloberry. Common along the banks of the Snake River and shores of the valley lakes. RJS 985.

ERICACEAE

ARCTOSTAPHYLOS UVA-URSI (L.) Spreng. Bearberry. Frequent in the area of Signal Mountain and Colter Bay. JFR 952, 1254.

GAULTHERIA HUMIFUSA (Grah.) Rydb. Wintergreen. Infrequent on the shores of Bradley, String, and Amphitheater Lakes. LW 1030, RJS 1081.

KALMIA POLIFOLIA Wang. var. MICROPHYLLA (Hook.) Rehd. Alpine Bog Laurel. Frequent on the shores of the valley lakes and some subalpine lakes. RJS 630, LW 894.

MENZIESIA FERRUGINEA Smith var. GLABELLA (A. Gray) Peck. False Huckleberry. Frequent along the shores of the valley lakes. RJS 639, 1219.

PHYLLODOCE EMPETRIFORMIS (Sw.) D. Don. Mt. Heather. Frequent around the shores of lakes above 9,000 ft. RJS 991, 1435.

PHYLLODOCE GLANDULIFLORA (Hook.) Coville. Frequent at Amphitheater Lake, and Holly Lake, above 9,000 ft. LW 896 and 1355, RJS 1231.

PHYLLODOCE × INTERMEDIA (Hook.) Camp. Hybrid between *P.*

glanduliflora and *P. empetriformis*, Holly and Amphitheater Lakes. JM 62-7, 63-21.

VACCINIUM MEMBRANACEUM Dougl. Huckleberry; Blueberry. Abundant in the canyons and around the shores of the valley lakes. LW 929, RJS 1212.

VACCINIUM OCCIDENTALE A. Gray. Infrequent near the outlet of Bradley Lake and small pond east of Colter Bay. RJS 727.

VACCINIUM SCOPARIUM Leib. Abundant in the canyons and on the moraines of the valley. LW 764.

FUMARIACEAE

CORYDALIS AUREA Willd. Locally frequent along Snake River, south of Signal Mountain. RJS 859.

DICENTRA UNIFLORA Kellogg. Steershead. Infrequent in the areas of Park Hdqts. and the Jenny Lake Museum. Jean Dilley 2951.

GENTIANACEAE

FRASERA SPECIOSA Dougl. [*Swertia radiata* (Kellogg) Kuntze.] Green Gentian. Common along Snake River, also such places as Wildlife Range and Blacktail Butte. LW 1722.

GENTIANA AFFINIS Griseb. Frequent along Snake River. RJS 675.

GENTIANA AMARELLA L. Frequent in streambed with mosses on north side of Signal Mountain and south of Colter Bay. RJS 979, 1417.

GENTIANA CALYCOSA Griseb. Frequent in major canyons above 8,000 ft. RJS 988, 668.

GENTIANA DETONSA Rottb. var. UNICAULIS (A. Nels.) C. L. Hitchc. [*G. thermalis* Kuntze.] Frequent along small streams in willow areas one mile north of Moran. RJS 658.

SWERTIA PERENNIS L. Frequent along stream in South Fork of Death Canyon 8,500 ft. RJS 738.

GERANIACEAE

GERANIUM NERVOSUM Rydb. Common along Snake River and open xeric sites of the moraines. RJS 643.

GERANIUM RICHARDSONII Fisch. & Trautv. Frequent on stream banks or moist areas such as String Lake, and road to Two Ocean Lake. RJS 556.

HALORAGIDACEAE

HIPPURUS VULGARIS L. Maretail. Infrequent in ponds and pools north of Jackson Lake Dam. RJS 657, 921.

MYRIOPHYLLUM SPICATUM L. var. EXALBESCENS (Fern.) Jeps. (*M. exalbescens* Fern.) Water Milfoil. Swan Lake. WGS 3998.

HYDROPHYLLACEAE

HYDROPHYLLUM CAPITATUM Dougl. Waterleaf. Frequent on moraines in such areas as Park Hdqts., Jenny Lake Campground, and Wildlife Range. RJS 613.

NEMOPHILA BREVIFLORA A. Gray. Locally common along shore of Snake River at Menor's Ferry. RJS 746.

PHACELIA FRANKLINII (R. Br.) A. Gray. Margin of lodgepole pine, Wildlife Range. JFR 2196.

PHACELIA HETEROPHYLLA Pursh. Common in waste places. RJS 923.

PHACELIA HASTATA Dougl. var. ALPINA (Rydb.) Cronq. [*P. leucophylla* Torr.] In rocks of subalpine areas. RJS 962, JM 63-63.

PHACELIA SERICEA (Grah.) A. Gray. Frequent in the major canyons of the range. RJS 661.

HYPERICACEAE

HYPERICUM FORMOSUM HBK. ssp. SCOULERI (Hook.) C. L. Hitchc. St. John's Wort. Frequent in the major canyons above 8,000 ft. RJS 666, 1419.

LABIATAE

AGASTACHE URTICIFOLIA (Benth.) Ktze. Giant hyssop. Common on moraines of the valley lakes. LW 1662, RJS 513.

DRACOCEPHALUM PARVIFLORUM Nutt. [*Moldavica parviflora* (Nutt.) Britt.] Dragonhead. Infrequent along the banks of the Snake River and disturbance sites at Colter Bay. HEB 65, RJS 1556.

MENTHA ARVENSIS L. var. GLABRATA (Benth.) Fern. Mint. Infrequent along the Snake River. RJS 667.

PRUNELLA VULGARIS L. Selfheal. Frequent along Snake River below Moose, also along east shores of Leigh and String Lakes. RJS 539.

SCUTELLARIA GALERICULATA L. Skullcap. Frequent in the meadows north of the Jackson Lake Dam, and Christian Pond Area. RJS 980, JFR 10153.

LEGUMINOSAE

ASTRAGALUS AGRESTIS Dougl. Locoweed. Frequent in the sedgegrass meadow of the Wildlife Range. JFR 1137, ETO 1277.

ASTRAGALUS ALPINUS L. Common along the Snake River and upper canyons. RJS 1025, LW 759.

ASTRAGALUS BISULCATUS (Hook.) A. Gray. Infrequent, east park boundary. RJS 526.

ASTRAGALUS CANADENSIS L. var. BREVIDENS (Gand.) Barneby. Sandy river bottom, near Bar BC Ranch. LW 1342.

ASTRAGALUS MICROCYSTIS A. Gray. Dry west slopes of Blacktail Butte. ETO 1359.

ASTRAGALUS MISER Dougl. var. HYLOPHILUS (Rydb.) Barneby. Frequent along Snake River. RJS 1186, 631.

ASTRAGALUS PURSHII Dougl. var. GLAREOSUS (Dougl.) Barneby. Frequent in the Wildlife Range. JFR 1833.

ASTRAGALUS REVENTUS A. Gray. Sandy, south slope of Blacktail Butte. ETO 1357.

- ASTRAGALUS TEGETARIUS S. Wats. Frequent on scree slopes above 10,000 ft. RJS 855, 1456.
- ASTRAGALUS TERMINALIS S. Wats. Common on the dry terraces above the Snake River. RJS 915.
- *CARAGANA ARBORESCENS Lam. Siberian Pea Tree. Remaining from cultivation in the Wildlife Range. JFR 1647.
- GLYCYRRHIZA LEPIDOTA (Nutt.) Pursh. Licorice. Common along the Snake River bottoms. LW 1340, RJS 1408.
- HEDYSARUM BOREALE Nutt. var. BOREALE. Sweetvetch. Locally frequent south of Spread Creek Bridge on Hwy. 89. RJS 1486.
- HEDYSARUM OCCIDENTALE Greene. Frequent on trail at the head of So. Cascade Canyon and on the slopes of Symmetry Spire. RJS 750, 970.
- *LOTUS CORNICULATUS L. Bird's Foot Trefoil. Locally frequent at Jackson Lake Lodge. RJS 1165.
- LUPINUS ARGENTEUS Pursh ssp. PARVIFLORUS (Nutt.) Phillips. Lupine. Common on the east shore of Jackson Lake and along the Snake River. RJS 981, JFR 2118.
- LUPINUS LEPIDUS Dougl. var. UTAHENSIS (S. Wats.) C. L. Hitchc. (*L. caespitosa* Nutt.) Infrequent Hedrick's Pond, Jackson Hole Highway and Colter Bay. RJS 1152.
- LUPINUS SERICEUS Pursh. Abundant throughout the valley. RJS 656, LW 1621.
- *MEDICAGO LUPULINA L. Black Medick. Common in waste places throughout the valley. JFR 2263.
- *MEDICAGO SATIVA L. Common in waste places of the Wildlife Range. JFR 2529.
- *MELILOTUS ALBA Desv. Sweetclover. Common along the highways and waste places. JFR 2534.
- *MELILOTUS OFFICINALIS (L.) Lam. Common along the highways and waste places. RJS 945.
- OXYTROPIS CAMPESTRIS (L.) DC. [*O. alpicola* M. E. Jones] Crazyweed. Limestone, head of Death Canyon, 10,000 ft. HEB 1886.
- OXYTROPIS DEFLEXA (Pall.) DC. var. FOLIOLOSA (Hook.) Barneby. Frequent below summit of Table Mt. 10,900 ft. LCA 525.
- OXYTROPIS DEFLEXA (Pall.) DC. var. SERICEA Torr. & Gray. Frequent along the Snake River. LW 1341, 1646.
- *TRIFOLIUM HYBRIDUM L. Clover. Common in waste places of the Wildlife Range. JFR 1207.
- TRIFOLIUM LONGIPES Nutt. var. REFLEXUM A. Nels. [*T. rydbergii* Greene.] Frequent in moist meadows east of Jackson Lake. LW 1632.
- *TRIFOLIUM PRATENSE L. Common in waste places of the Wildlife Range. JFR 1537.
- *TRIFOLIUM REPENS L. Frequent in waste places of the valley. HEB 186, ETO 1279.

VICIA AMERICANA Muhl. Vetch. Frequent along the Snake River. RJS 916.

LENTIBULARIACEAE

UTRICULARIA VULGARIS L. Bladderwort. Rare in beaver pond $\frac{1}{4}$ mile south of Jackson Lake Dam on main highway. RJS 659.

LIMNANTHACEAE

FLOERKEA PROSERPINACOIDES Willd. Falsemermaid. Infrequent in the Wildlife Range. JFR 1999.

LINACEAE

LINUM LEWISII Pursh. Flax. Frequent in the area of the Wildlife Range, Jackson Lake Lodge and infrequent in upper area of South Cascade Canyon. RJS 710, 1023.

LOASACEAE

MENTZELIA DISPERSA S. Wats. Blazing-Star. Locally frequent on dry slopes throughout the valley. RJS 1017, 1252.

MENTZELIA LAEVICAULIS (Dougl.) Torr. & Gray. Frequent on dry hillside above Highway 89, 7 miles south of Jackson. RJS 751, also reported in Moran area by C. Jepson.

LORANTHACEAE

ARCEUTHOBIUM AMERICANUM Nutt. Dwarf Mistletoe. Frequent parasite on lodgepole pine around the valley lakes. RJS 881.

MALVACEAE

ILIAMNA RIVULARIS (Dougl.) Greene var. DIVERSA (A. Nels.) C. L. Hitchc. [*Sphaeralcea rivularis* (Dougl.) Torr.] Globemallow. Common along roadsides and disturbed areas. RJS 978.

MENYANTHACEAE

MENYANTHES TRIFOLIATA L. Buckbean. Locally common in pond, Pacific Creek Rd. WGS 3665.

MORACEAE

*HUMULUS AMERICANUS Nutt. Hops. Frequent in some disturbed areas of old ranches of the valley. JFR 1655, 2624.

NYMPHAEACEAE

NUPHAR POLYSEPALUM Engelm. Yellow Pondlily. Common in beaver ponds of the valley. RJS 655.

ONAGRACEAE

CIRCAEA ALPINA L. var. PACIFICA (Asch. & Magnus) M. E. Jones. Frequent in deep shade Death Canyon Trail at Phelps Lake level. RJS 1597.

EPILOBIUM ADENOCAULON Hausskn. Willow-Weed. Common in wet places of the Wildlife Range. LW 861, JFR 1579.

EPILOBIUM ALPINUM L. Frequent in couloirs and canyons above 8,000 ft. RJS 975, 1576, LW 1034.

EPILOBIUM ANGUSTIFOLIUM L. Abundant along roadsides throughout the valley. JFR 1212.

EPILOBIUM GLANDULOSUM Lehm. Aspen grove in Wildlife Range. JFR 1508.

EPILOBIUM LATIFOLIUM L. Frequent by streams in Garnet Canyon and the upper part of South Cascade Canyon, 9,500 ft. WGS 3958, RJS 741.

EPILOBIUM MINUTUM Lindl. Frequent on Phelps Lake moraine. RJS 1544.

EPILOBIUM PANICULATUM Nutt. Frequent in sagebrush, Blacktail Butte, and slopes of Signal Mt. RJS 917, ETO 1353.

EPILOBIUM SUFFRUTICOSUM Nutt. Frequent in gravel of the Snake River bottom. LW 1338, RJS 1227.

GAYOPHYTUM NUTTALLII Torr. & Gray [*G. diffusum* Torr. & Gray] Ground Smoke. Frequent in disturbed areas throughout the valley. RJS 1214.

OENOTHERA CAESPITOSA Nutt. Evening Primrose. Infrequent in roadside cuts of the valley. WGS 4449.

OENOTHERA BREVIFLORA Torr. & Gray. Locally frequent in mud, north end of Swan Lake. RJS 1477, WGS 4937.

OENOTHERA HETERANTHA Nutt. Frequent in the meadows of Wildlife Range and south of Signal Mt. RJS 913.

OENOTHERA HOOKERI Torr. & Gray var. ORNATA (A. Nels.) Munz. Frequent along main highway between Jenny Lake and south boundary. RJS 540, ETO 1352.

OENOTHERA PALLIDA Lindl. Infrequent on trail to fire lookout on Blacktail Butte. RJS 693.

ZAUSCHNERIA GARRETTII A. Nels. Firechalice. Frequent on rocky ledges in such canyons as Death, Waterfall, and Cascade, up to 7,500 ft. RJS 680, 994.

OROBANCHACEAE

OROBANCHE FASCICULATA Nutt. Broomrape. Infrequent as a parasite on big sagebrush throughout the valley floor. RJS 649, 955.

OROBANCHE LUDOVICIANA Nutt. Infrequent in Wildlife Range. JFR 1195.

OROBANCHE UNIFLORA L. var. MINUTA (Suksd.) Beck. Rare in wet mossy places in the mouth of Cascade Canyon. RJS 647, LW 665.

OXALIDACEAE

*OXALIS DILLENII Jacq. [*O. stricta* L.] Woodsorrel. Rare along Snake River below dam. RJS 1553.

PAEONIACEAE

PAEONIA BROWNII Dougl. Peony. Rare at south end of Jenny Lake near boat dock, also at Taggart Creek and Teton Park Road. RJS 617, 1445.

PLANTAGINACEAE

**PLANTAGO LANCEOLATA* L. Plantain. Locally common in waste places of the valley. JFR 2655.

**PLANTAGO MAJOR* L. Locally common in waste places of the valley. RJS 983.

POLEMONIACEAE

COLLOMIA LINEARIS Nutt. Common in the sagebrush flats and moraines throughout the valley. RJS 514.

GILIA AGGREGATA (Pursh) Spreng. [*Ipomopsis aggregata* (Pursh) V. Grant.] Common in gravelly soil, usually associated with big sagebrush, throughout the valley floor. RJS 505, 837.

LEPTODACTYLON PUNGENS (Torr.) Nutt. Prickly Phlox. Infrequent in the sagebrush flats south of Signal Mt. RJS 1541.

LINANTHASTRUM NUTTALLII (A. Gray) Ewan. Frequent in Death Canyon and southern peaks of the range above 7,500 ft. RJS 669.

LINANTHUS HARKNESSII (Curran) Greene. Frequent on the Phelps Lake moraine. RJS 1543.

LINANTHUS SEPTENTRIONALIS Mason. Infrequent, Snake River bottom and Wildlife Range. LW 1636, ETO 1105.

PHLOX HOODII Rich. Outwash plain, vicinity of Moose. ETO 1156.

PHLOX MULTIFLORA A. Nels. Frequent, Highway 89, north boundary of park, also Elk Ranch. JFR 2291.

PHLOX PULVINATA (Wherry) Cronq. [*P. caespitosa* of Intermountain authors not Nutt.] Infrequent on ledges above Amphitheater Lake, 9,800 ft. LW 1353, 909.

PHLOX LONGIFOLIA Nutt. Frequent in the big sagebrush throughout the valley. RJS 503, 1540.

POLEMONIUM OCCIDENTALE Greene. Frequent in wet areas in the vicinity of the Sawmill Ponds, also east of Jackson Lake Lodge. RJS 546.

POLEMONIUM PULCHERRIMUM Hook. var. *PULCHERRIMUM*. In sandy depression on terrace above Pacific Creek, Wildlife Range. JFR 2208.

POLEMONIUM VISCOSUM Nutt. Frequent at elevations above 9,000 ft. RJS 549, LCA 213.

POLYGONACEAE

ERIOGONUM CERNUUM Nutt. Pothole area south of Signal Mt. AAB 14,787.

ERIOGONUM HERACLEOIDES Nutt. Frequent at Colter Bay Village. RJS 1160.

ERIOGONUM OVALIFOLIUM Nutt. var. *DEPRESSUM* Blank. Frequent near summits of Storm & Ice Pts., 10,000 ft. RJS 1584, 1577.

ERIOGONUM UMBELLATUM Torr. var. *SUBALPINUM* (Greene) M. E. Jones. Common on the outwash and moraines throughout the valley. RJS 858, 1207, 1237.

- OXYRIA DIGYNA (L.) Hill. Frequent in talus slopes of the major canyons from 8,500 to 10,000 ft. LW 910, RJS 1569.
- POLYGONUM AMPHIBIUM L. Knotweed. Locally common in ponds north of Jackson Lake Dam. RJS 654.
- *POLYGONUM AVICULARE L. [*P. buxiforme* Small.] Common in waste places. JFR 2764.
- POLYGONUM BISTORTOIDES Pursh. Common in the meadows north of Colter Bay and frequent in the mountains above 9,000 ft. RJS 515, 1587.
- POLYGONUM COCCINEUM Muhl. Locally common in shallow pond one mile north of Colter Bay Village. RJS 1494.
- POLYGONUM DOUGLASII Greene. Locally frequent in rocks above John Graul Mine, 3 miles up Webb Canyon; also in disturbance areas of the valley. RJS 957, 1489.
- POLYGONUM KELLOGGII Greene. Dry pool near Swan Lake. WGS 4938.
- POLYGONUM MINIMUM S. Wats. Infrequent in rocks on slopes of Symmetry Spire, 7,200 ft. and Webb Canyon. LW 1402, RJS 963, 1487.
- POLYGONUM VIVIPARUM L. South facing slope of Table Mt. LCA 538.
- *RUMEX ACETOSELLA L. Dock. Common in waste places throughout the valley. JFR 2113, LW 746.
- *RUMEX CRISPUS L. Frequent in waste places. JFR 1659.
- RUMEX FUEGINUS Phil. [*R. maritimus* of American authors not L.] Infrequent in the Wildlife Range. JFR 2550a, LW 1648.
- RUMEX PAUCIFOLIUS Nutt. Common in the Wildlife Range. JFR 1874.
- RUMEX SALICIFOLIUS Weinm. [*R. mexicanus* Meisn., *R. triangulivalvis* (Danser) Rech.] Frequent in disturbed areas throughout the valley. RJS 691.

PORTULACACEAE

- CLAYTONIA LANCEOLATA Pursh. Springbeauty. Common in the valley in the big sagebrush and lodgepole pine communities, also in higher canyons. JFR 2037.
- CLAYTONIA MEGARRHIZA (A. Gray) Parry. Buck Mt., 11,000 ft. Mrs. Huebner (no number).
- LEWISIA PYGMAEA (A. Gray) Robins. Locally frequent in sagebrush north of Timbered Island, also on Table Mt. RJS 743, LCA 523.
- LEWISIA TRIPHYLLA (S. Wats.) Robins. Infrequent in wet moss $\frac{1}{4}$ mile below Hidden Falls. RJS 646, 909.
- SPRAGUEA UMBELLATA Torr. var. CAUDICIFERA A. Gray. Pussy Paws. Infrequent on secondary trail east of saddle south of Static Peak, 9,500 ft. RJS 1588, LCA 218.

PRIMULACEAE

- ANDROSACE FILIFORMIS Retz. Rockjasmine. Shore of Jackson Lake and Signal Mt. LW 1626, ETO 1099.

ANDROSACE SEPTENTRIONALIS L. var. SUBULIFERA A. Gray. Infrequent along stream, Beaver Creek Housing Area. RJS 699.

ANDROSACE SEPTENTRIONALIS L. var. SUBUMBELLATA A. Nels. Frequent at the head of Death Canyon, also reported at the Wildlife Range. HEB 220.

DODECATHEON CONJUGENS Greene. Shooting Star. Frequent in the sagebrush flats, especially around the Jenny Lake region. RJS 610, LW 2178.

DODECATHEON PULCHELLUM (Raf.) Merrill ssp. PULCHELLUM [*D. pauciflorum* Greene.] Frequent on moist open slopes above 9,000 ft. RJS 1474, LW 916.

PRIMULA PARRYI A. Gray. Frequent along stream banks in the higher canyons and on mountain slopes above 9,000 ft. LW 897, 1303.

PYROLACEAE

CHIMAPHILA UMBELLATA (L.) Barton var. OCCIDENTALIS (Rydb.) Blake. Pipsissewa. Frequent along the shores of such lakes as Leigh, String, and Jenny. RJS 662, 1244.

HYPOPITYS MONOTROPA Crantz. [*Monotropa hypopitys* L.] Rare in deep shade, west side Leigh Lake. RJS 1433, 730.

MONESES UNIFLORA (L.) A. Gray [*Pyrola uniflora* L.] Woodnymph. Rare around the shores of valley lakes (west of Leigh Lake). RJS 1432, LW 1388.

PTEROSPORA ANDROMEDEA Nutt. Pinedrops. Frequent around the shores of the valley lakes. RJS 729.

PYROLA ASARIFOLIA Michx. Shinleaf. Frequent in the coniferous forest of the valley. RJS 544, 1228.

PYROLA DENTATA Smith. Rare on dry hillsides above Amphitheater Lake, 10,000 ft. LW 1025.

PYROLA MINOR L. Rare in alpine area at head of Avalanche Canyon. LW 1026.

PYROLA PICTA Smith. Death Canyon. HVT 54388.

PYROLA SECUNDA L. Frequent around the shores of the valley lakes. RJS 543, LW 1693.

PYROLA VIRENS Schweigg. Infrequent on Bradley Creek and north slope of Signal Mt. LW 1329, WGS 4090.

RANUNCULACEAE

ACONITUM COLUMBIANUM Nutt. Monkshood. Locally common in wet areas and along streams in the valley and extending into the major canyons up to 9,000 ft. LW 1393.

ACTAEA RUBRA (Ait.) Willd. ssp. ARGUTA (Nutt.) Hult. [*A. arguta* Nutt.] Baneberry. Frequent in the major canyons and around the shores of the valley lakes. RJS 695, 1599, LW 672.

ANEMONE MULTIFIDA Poir. var. MULTIFIDA [*A. globosa* Nutt.] Frequent along the Snake River. RJS 856, 1187.

- ANEMONE MULTIFIDA Poir. var. TETONENSIS (Porter) C. L. Hitchc. Infrequent in alpine tundra, i.e. Schoolroom Glacier and Mt. Hunt. RJS 1029, 927.
- AQUILEGIA CAERULEA James. Columbine. Common in the major canyons and moist alpine area. LW 1672.
- AQUILEGIA FLAVESCENS S. Wats. Infrequent in moist alpine meadows. JM 62-45, LW 1350, 918.
- CALTHA LEPTOSEPALA DC. Frequent in alpine and subalpine meadows above 8,500 ft. RJS 651, 1564.
- CLEMATIS COLUMBIANA (Nutt.) Torr. & Gray. Virgin's Bower. Infrequent along Pilgrim Creek and Cascade Canyon. RJS 519, 848.
- CLEMATIS HIRSUTISSIMA Pursh. Infrequent in the valley and in some of the higher canyons above 9,000 ft. RJS 615, 928.
- CLEMATIS LIGUSTICIFOLIA Nutt. Infrequent on trail, two miles up Death Canyon, 7,500 ft. RJS 755.
- DELPHINIUM NELSONI Greene. Larkspur. Common in gravelly soil throughout the valley. A critical species treated in different ways. LW 1113, RJS 835.
- DELPHINIUM OCCIDENTALE (S. Wats.) S. Wats. Frequent along second Saw Mill Pond, 1¼ mile southwest from Moose. WGS 4055, RJS 857.
- MYOSURUS MINIMUS L. Mousetail. Across the Snake River from University of Wyoming Biological Station. WGS 3889.
- RANUNCULUS ACRIFORMIS A. Gray var. MONTANENSIS (Rydb.) L. Benson. Buttercup. Frequent in wet places, north and east of Jackson Lake Dam. RJS 634, 1447.
- RANUNCULUS AQUATILIS L. var. CAPILLACEUS (Thuill.) DC. Frequent in pools and sluggish streams throughout the valley. JFR 870.
- RANUNCULUS CYMBALARIA Pursh. Common in wet places of the Wildlife Range. ETO 1151, JFR 869.
- RANUNCULUS ESCHSCHOLTZII Schlecht. var. ALPINUS (Wats.) C. L. Hitchc. Frequent in alpine area above 9,700 ft. RJS 1021, 1454.
- RANUNCULUS ESCHSCHOLTZII Schlecht. var. ESCHSCHOLTZII. Frequent in Glacier Gulch and Indian Paintbrush Canyon above 8,500 ft. RJS 1153a, 1233.
- RANUNCULUS ESCHSCHOLTZII Schlecht. var. SUKSDORFII (A. Gray) L. Benson. Frequent on the east shore of Lake Solitude, 9,024 ft. RJS 952, LW 922.
- RANUNCULUS FLAMMULA L. var. FILIFORMIS (Michx.) Hook. Frequent at edge of shallow ponds north of Colter Bay Village. RJS 1496.
- RANUNCULUS GLABERRIMUS Hook. Frequent in the Wildlife Range. JFR 1931.
- RANUNCULUS INAMOENUS Greene. Frequent in sedge meadow of Wildlife Range, also Park Hdqts. RJS 624.

RANUNCULUS JOVIS A. Nels. Abundant in the early spring on the sagebrush flats throughout the valley floor. LW 1074, RJS. 905.

RANUNCULUS MACOUNII Britton. Irrigated meadow on Elk Ranch. JFR 2317, LW 851.

RANUNCULUS NATANS C. A. Meyer. Common in wet places of the Wildlife Range. JFR 1496, RJS 1603.

RANUNCULUS SCALERATUS L. var. MULTIFIDUS Nutt. Common in wet places of the Wildlife Range. JFR 1507.

THALICTRUM FENDLERI Engelm. Meadow-Rue. Frequent in the coniferous forest on the moraines of the valley and extending into major canyons. RJS 626, 1466.

THALICTRUM OCCIDENTALE A. Gray. Frequent in wet areas of the Wildlife Range. JFR 2079.

THALICTRUM SPARSIFLORUM Turcz. Infrequent on the west shore of Jenny Lake. LW 855, RJS 644.

TROLLIUS LAXUS Salisb. Frequent in wet meadows of subalpine and alpine areas of Teton Range. RJS 652, 930.

RHAMNACEAE

CEANOTHUS VELUTINUS Dougl. Snowbrush Ceanothus. Frequent around the shores of the valley lakes. RJS 1218, LW 1207.

RHAMNUS ALNIFOLIA L'Her. Buckthorn. Frequent in the Sawmill Ponds area and on the shore of Jackson Lake. JFR 1634, LW 1192.

ROSACEAE

AMELANCHIER ALNIFOLIA Nutt. Serviceberry. Common along the Snake River and around the shores of the valley lakes. JFR 2875.

CERCOCARPUS LEDIFOLIUS Nutt. Mountain Mahogany. Infrequent in the lower portions of Granite Canyon. HEB 15.

CRATAEGUS DOUGLASII Lindl. var. DOUGLASII. Hawthorn. Frequent along Snake River and Taggart Lake Trail. LW 1213, RJS 1355.

DRYAS OCTOPETALA L. var. ANGUSTIFOLIA C. L. Hitchc. Mountain Avens. Infrequent in rocky soil above 9,500 ft., Schoolroom Glacier, Cascade Canyon, and Indian Lake. RJS 726, 1015.

FRAGARIA VESCA L. var. BRACTEATA (Heller) Davis. [*F. bracteata* Heller] Strawberry. Frequent on the moraines of the valley floor.

FRAGARIA VIRGINIANA Duchn. var. GLAUCA S. Wats. [*F. glauca* Rydb.] Common in sagebrush of the Wildlife Range. JFR 2044.

GEUM MACROPHYLLUM Willd. var. PERINCISUM (Rydb.) Raup. Avens. Frequent in the meadows of the Wildlife Range, Double Diamond Ranch, and Swan Lake. JFR 1152, LW 1219.

GEUM ROSSII (R. Br.) Ser. var. TURBINATUM (Rydb.) C. L. Hitchc. Frequent on Avalanche Canyon Divide, and Timberline Lake, above 10,000 ft. RJS 760, 1592.

GEUM TRIFLORUM Pursh. var. CILIATUM (Pursh) Fassett. Frequent in meadows and sagebrush flats of the valley. RJS 504, JFR 1876.

- IVESIA GORDONII (Hook.) Torr. & A. Gray. Frequent on divide of Upper Death Canyon, Timberline Lake and dry stream bed $\frac{1}{2}$ mile south of Colter Bay. RJS 758, 1598.
- PETROPHYTUM CAESPITOSUM (Nutt.) Rydb. Rockmat. Rare on Madison limestone on north end of Blacktail Butte. RJS 1475.
- *PHYSOCARPUS MALVACEUS (Greene) Kuntze. Ninebark. Recent introduction planted at Jackson Lake Lodge. RJS 1605.
- POTENTILLA ANSERINA L. Cinquefoil. Frequent on mud flats of Jackson Lake one mile above Lizard Point. RJS 1006.
- POTENTILLA ARGUTA Pursh ssp. CONVALLARIA (Rydb.) Th. Wolf. Frequent in the meadows of the Wildlife Range. JFR 1031.
- POTENTILLA BREVIFOLIA Nutt. Infrequent in alpine areas such as Timberline Lake and Paintbrush-Leigh Canyon Divide. RJS 1596, 1437.
- POTENTILLA CONCINNA Rich. var. RUBRIPES (Rydb.) C. L. Hitchc. (*P. rubricaulis* Lehm.) Infrequent on Static Peak and Table Mt., above 9,500 ft. LCA 220, 429.
- POTENTILLA DIVERSIFOLIA Lehm. Common in the meadows of the Wildlife Range, Amphitheater Lake. JFR 1996, LW 911.
- POTENTILLA FLABELLIFOLIA Hook. Common in meadows of Holly Lake Cirque. JM 63-7.
- POTENTILLA FRUTICOSA L. Common along Snake River and frequent in the canyons. RJS 517.
- POTENTILLA GLANDULOSA Lindl. ssp. GLABRATA (Rydb.) Keck. Frequent in meadows on road to Two Ocean Lake. RJS 632.
- POTENTILLA GLANDULOSA Lindl. ssp. PSEUDORUPESTRIS (Rydb.) Breit. Frequent in major canyons above 7,500 ft. JM 63-28, LW 1673.
- POTENTILLA GRACILIS Dougl. var. ELMERI (Rydb.) Jeps. Frequent in meadows north of Park Hdqts. JFR 1203.
- POTENTILLA GRACILIS Dougl. var. GLABRATA (Lehm.) C. L. Hitchc. [*P. g.* Dougl. ssp. *nuttallii* Keck.] Common in the meadows of the Wildlife Range. RJS 625.
- POTENTILLA NIVEA L. Frequent on Static Peak, south facing slope. LCA 214.
- POTENTILLA NORVEGICA L. [*P. monspeliensis* L.] Infrequent on bank of Snake River east of Jackson Lake Dam. JFR 2524.
- POTENTILLA PALUSTRIS (L.) Scop. Locally common at water's edge, eastern shore of Arizona Lake (at end of dirt road). RJS 1528.
- PRUNUS VIRGINIANA L. var. MELANOCARPA (A. Nels.) Sarg. Chokecherry. Common along Snake River and on the moraines of the valley. JFR 2209.
- PURSHIA TRIDENTATA (Pursh) DC. Bitterbrush. Common in the sagebrush flats of the valley, south of Moose. RJS 509, 1542.
- ROSA WOODSII Lindl. Rose. Common along the banks of the Snake River. JFR 2537.
- RUBUS IDAEUS L. ssp. SACHALINENSIS (Levl.) Focke. [*R. strigosus*

Michx.] Raspberry. Infrequent along Snake River, also frequent in talus slopes of the major canyons. RJS 996, JFR 2521.

*RUBUS LACINIATUS Willd. Gravelly bank of Snake River near site of old town of Moran; a possible escaped cultigen. JFR 2521.

RUBUS PARVIFLORUS Nutt. Common on the moraines and abundant in the lower portions of the major canyons. JFR 2553.

SIBBALDIA PROCUMBENS L. Frequent on shores of subalpine lakes above 9,000 ft. RJS 715, 1566.

SORBUS SCOPULINA Greene. Mountain Ash. Common on the lower slopes of the mountains and along the shores of the valley lakes. JFR 2860, LW 1232.

SPIRAEA BETULIFOLIA Pall. var. LUCIDA (Dougl.) C. L. Hitchc. [*S. lucida* Dougl.] Frequent on the moraines and shores of the valley lakes. LW 1397.

SPIRAEA DENSIFLORA Nutt. Frequent on mountain slopes and in the major canyons up to 9,000 ft. RJS 1229.

RUBIACEAE

GALIUM APARINE L. var. ECHINOSPERMUM (Wallr.) Farw. Bedstraw. Half a mile northeast of Biological Station. ETO 1128.

GALIUM BIFOLIUM S. Wats. Frequent under the aspen at the Wildlife Range. RJS 912.

GALIUM BOREALE L. Common on the moraines of the valley. JFR 2831, LW 1326.

GALIUM TRIFIDUM L. Frequent in the Wildlife Range. JFR 1545.

KELLOGGIA GALIODES Torr. Infrequent in the main couloir on the east face of Symmetry Spire, 7,600 ft. RJS 964.

SALICACEAE

POPULUS ANGUSTIFOLIA James. Narrowleaf Cottonwood. Common along the Snake River. JFR 1631.

POPULUS BALSAMIFERA L. Frequent along Snake River and in the Wildlife Range. JFR 1354.

POPULUS TREMULOIDES Michx. Abundant in the moist habitats throughout the valley. RJS.

POPULUS TRICHOCARPA Torr. & Gray. Frequent three miles up Cascade Canyon, 8,000 ft. RJS 650.

SALIX ARCTICA Pall. [*S. petrophila* Rydb.] Willow. Frequent on the shores of alpine lakes above 9,000 ft. RJS 993, 1514, LW 1708.

SALIX BEBBIANA Sarg. var. PERROSTRATA (Rydb.) Schneid. Moose Post Office area. HEB.

SALIX CASCADENSIS Cockerell. Infrequent in meadows and on talus slopes around subalpine lakes. JM 63-75, 62-40.

SALIX COMMUTATA Bebb. Frequent in Wildlife Range. JFR 1236-7.

SALIX DRUMMONDIANA Barr. var. SUBCOERULEA (Piper) Ball. Common along the Snake River. JFR 2257.

- SALIX EXIGUA Nutt. ssp. MELANOPSIS (Nutt.) Cronq. [*S. melanopsis* Nutt.] Frequent in the Wildlife Range. JFR 1160, 1812.
- SALIX GEYERIANA Anderss. Abundant along the Snake River. JFR 2771; LW 1104.
- SALIX GLAUCA L. Infrequent at Amphitheater Cirque and Holly Lake. JM 62-1, 63-8.
- SALIX LASIANDRA Benth. var. CAUDATA (Nutt.) Sudw. [*S. caudata* Heller.] Frequent along the Snake River. RJS 1229a, JFR 2768.
- SALIX NIVALIS Hook. Infrequent in meadow around Holly Lake. JM 63-15.
- SALIX PSEUDOCORDATA (Anderss.) Rydb. Common in the Wildlife Range. JFR 975.
- SALIX PHYLICIFOLIA L. ssp. PLANIFOLIA (Pursh) Hiitonen [*S. planifolia* Pursh] Bog west of Taggart Lake. LW 1194.
- SALIX RIGIDA Muhl. [*S. lutea* Nutt., *S. mackenziana* (Hook.) Barr.] Infrequent in the Wildlife Range. JFR 2260.
- SALIX SCOULERIANA Barratt. Frequent in the Wildlife Range. JFR 2738.
- SALIX TWEEDYI Ball. Frequent along Cascade Creek. LW 1686.
- SALIX WOLFII Bebb. Frequent in the Wildlife Range. JFR 1979a.

SANTALACEAE

- COMANDRA PALLIDA A. DC. [*C. umbellata* of western authors not (L.) Nutt.] Common in big sagebrush at such places as Windy Point, Timbered Island and Moose. RJS 826, 1446.

SAXIFRAGACEAE

- HEUCHERA PARVIFOLIA Nutt. var. UTAHENSIS (Rydb.) Garrett. Alumroot. Infrequent on trail, Phelps Lake Lookout, also Blacktail Butte. RJS 673, LW 1757.
- LITHOPHRAGMA BULBIFERA Rydb. Woodland Star. Frequent in the sagebrush flats of the valley. JFR 2004, RJS 906.
- LITHOPHRAGMA PARVIFLORA (Hook.) Nutt. Frequent in wet meadow near Two Ocean Lake. RJS 636.
- MITELLA PENTANDRA Hook. Frequent along stream in the major canyons. RJS 1568, LW 1196.
- MITELLA STAUIPETALA Piper [*M. stenopetala* Rydb.] Infrequent on Lakes Trail. RJS 640, LW 770.
- PARNASSIA FIMBRIATA Konig. Grass-of-Parnassus. Frequent around the shore of Jenny Lake and along banks of streams in the canyons. RJS 685.
- PARNASSIA KOTZEBUEI Cham. var. PUMILA Hitchc. & Ownbey. Holly Lake Cirque, east bank. JM 63-96.
- PARNASSIA PALUSTRIS L. var. MONTANENSIS (Fern. & Rydb.) C. L. Hitchc. Holly Lake Cirque. JM 63-32.
- PARNASSIA PARVIFLORA DC. Frequent in wet areas below the Jackson Lake Dam. RJS 674, 1421.

- RIBES INERME Rydb. Whitestem Gooseberry. Wildlife Range. JFR 1267.
- RIBES LACUSTRE (Pers.) Poir. Wildlife Range and some canyons. JM 62-22, JFR 2239.
- RIBES MONTIGENUM McClatchie. Head of Death Canyon, also Granite and Waterfall Canyons. RJS 1343.
- RIBES PETIOLARE Dougl. Frequent in the mouths of Death and Cascade Canyons. RJS 938.
- *RIBES SATIVUM (Reichb.) Syme. Formerly under cultivation near burned ranch building, Wildlife Range. JFR 1648.
- RIBES SETOSUM Lindl. Wildlife Range. JFR 1955.
- RIBES VISCOSISSIMUM Pursh var. VISCOSISSIMUM. Frequent on the north slope of Signal Mt. and shore of Bradley Lake. JFR 2746, RJS 1221.
- SAXIFRAGA BRONCHIALIS L. ssp. AUSTROMONTANA (Wiegand) Piper. Yellowdot Saxifrage. Locally common on boulders in Hidden Falls area, also around subalpine lakes of major canyons. RJS 552, 936.
- SAXIFRAGA DEBILIS Engelm. [*S. rivularis* L.] Rare on the ledges above Amphitheater Lake. LW 1011.
- SAXIFRAGA FLAGELLARIS Willd. Rare on rock ledges of the Middle Teton and Grand Teton above 12,000 ft. RJS 1478.
- SAXIFRAGA OCCIDENTALIS S. Wats. [*S. saximontana* E. Nels.] Frequent along small streams of major canyons. LW 1135, 660.
- SAXIFRAGA ODONTOLOMA Piper. [*S. punctata* L. var. *arguta* (D. Don) Engl. & Irmsch.] Frequent along streams of the major canyons. RJS 683, 933.
- SAXIFRAGA OPPOSITIFOLIA L. Infrequent on major peaks of the range above 9,500 ft. RJS 851.
- SAXIFRAGA OREGANA Howell var. SUBAPETALA (E. Nels.) C. L. Hitchc. [*S. montanensis* Small.] Nine miles north of Jackson Lake Lodge, Hwy. 89. WGS 3709.
- SAXIFRAGA RHOMBOIDEA Greene. Frequent in wet loam—major canyons, subalpine lakes and some minor peaks such as Table Mt. LCA 528, RJS 1561.
- TELESONIX JAMESII (Torr.) Raf. var. HEUCHERIFORMIS (Rydb.) Bacigalupi. [*Boykinia heucheriformis* (Rydb.) A. Nels.] Frequent in rock crevices in major canyons above 8,500 ft. RJS 677, 1575.

SCROPHULARIACEAE

- BESSEYA WYOMINGENSIS (A. Nels.) Rydb. [*B. cinerea* (Raf.) Pennell] Kittentails. Infrequent on tableland at head of Death Canyon, 9,600 ft., and in valley near Cunningham Ranch. HEB 192, RJS 1505.
- CASTILLEJA CUSICKII Greenm. Indian Paintbrush. Along Snake River, Wildlife Range. JFR 1429.
- CASTILLEJA LINARIAEFOLIA Benth. Frequent in the willows of the Wildlife Range and along Pilgrim Creek. JFR 880, WGS 4604.

- CASTILLEJA MINIATA Dougl. Frequent to locally common in the valley, major canyons and subalpine lakes; most common sp.—complex and variable. RJS 1425, LW 1212, 1228.
- CASTILLEJA PILOSA (S. Wats.) Rydb. [*C. longispica* A. Nels.] Frequent on morainal soil throughout the valley. RJS 828, 1192.
- CASTILLEJA PULCHELLA Rydb. Frequent on higher slopes of saddle between Middle Teton and So. Teton, 11,900 ft. RJS 1484, 1045.
- CASTILLEJA RHEXIFOLIA Rydb. Locally common in wet areas north of Moran and at Surprise Lake. RJS 633, LW 1349.
- COLLINSIA PARVIFLORA Dougl. Abundant throughout valley, under lodgepole aspen and sagebrush. RJS 1537.
- CORDYLANTHUS RAMOSUS Nutt. Birdbeak. Locally common north end of Blacktail Butte. RJS 1461.
- LIMOSELLA AQUATICA L. Mudwort. Reported as common, but not seen; Third Creek and slow streams.
- *LINARIA DALMATICA (L.) Mill. Toadflax. Rare $\frac{1}{2}$ mile west of Jackson Hole Golf Course. Lou Jones (no number).
- *LINARIA VULGARIS Hill. Locally common in waste places throughout the valley. RJS.
- MIMULUS FLORIBUNDUS Dougl. Monkey Flower. Rare in Cascade Canyon and Death Canyon up to 8,000 ft. LW 1676.
- MIMULUS GUTTATUS DC. Locally common in wet places and stream banks north of Moran on Highway 89. RJS 638.
- MIMULUS LEWISII Pursh. Locally common along streams in the higher canyons. RJS 555, LW 1346.
- MIMULUS MOSCHATUS Dougl. Frequent in the mouths of the major canyons and on the shore of Swan Lake. LW 1189, RJS 1420.
- MIMULUS SUKSDORFII A. Gray. Frequent in Waterfall Canyon and along Snake River, one mile west of Triangle "X" Ranch. RJS 1473.
- ORTHOCARPUS LUTEUS Nutt. Owlclover. Common along the Snake River and in the Sagebrush flats. RJS 986, FWP 11935.
- PEDICULARIS BRACTEOSA Benth. var. PAYSONII (Pennell) Cronq. Lousewort. Frequent in the coniferous forest from 6,700 ft. up to 9,000 ft. RJS 522, 1452.
- PEDICULARIS CONTORTA Benth. Locally frequent in subalpine areas—Stewart's Draw and Indian Paintbrush Canyon. RJS 874, 1589.
- PEDICULARIS GROENLANDICA Retz. Common in wet meadows of the north end of the valley and extending up to some subalpine lakes. RJS 682, JM 62-88.
- PEDICULARIS PARRYI var. PURPUREA Parry. Frequent in alpine tundra up to 12,000 ft. RJS 1080, 1479.
- PEDICULARIS RACEMOSA Dougl. Frequent on moraines of the valley and extending into the canyons to 9,300 ft. RJS 1424, LW 1345.
- PENSTEMON ATTENUATUS Dougl. ssp. PSEUDOPROCERUS (Rydb.)

Keck. Beardtongue. Frequent in major canyons and around subalpine lakes. JM 63-33.

PENSTEMON CYANANTHUS Hook. ssp. SUBGLABER (Gray) Penn. Frequent in disturbed areas throughout the valley. RJS 524.

PENSTEMON CYANEUS Penn. Infrequent in disturbance site at Swan Lake. WGS 4915.

PENSTEMON DEUSTUS Dougl. Infrequent on switchbacks above Hidden Falls, Park Hdqts., mouth of Death Canyon. RJS 534.

PENSTEMON MONTANUS Greene. Rare in rocks on switchbacks above Lake Solitude, also at 10,000 ft. in the South Fork of Cascade Canyon. RJS 723.

PENSTEMON PROCERUS Dougl. Frequent in disturbed places throughout the valley. JFR 1306, RJS 523.

PENSTEMON RADICOSUS A. Nels. Infrequent on north end of Blacktail Butte. LW 1755.

PENSTEMON WHIPPLEANUS A. Gray. Frequent on trails in such canyons as Death and Cascade Canyons up to 9,500 ft. RJS 671, 1578, LW 870.

SCROPHULARIA LANCEOLATA Pursh. Figwort. Locally frequent in the following canyons: (by trail always on rocky south facing slopes) Cascade, Garnet, Death and Indian Paintbrush. RJS 844, 876.

*VERBASCUM THAPSUS L. Mullein. Infrequent in disturbed areas around the Jackson Lake Lodge. RJS 1606.

VERONICA AMERICANA Schwein. Speedwell. Frequent on mud of Wildlife Range and area below Hidden Falls. RJS 547.

VERONICA PEREGRINA L. var. XALAPENSIS (HBK.) Penn. Locally frequent in mud of drying pond 300 yds. east of Colter Bay Fire Cache. RJS 1517, LW 1625.

VERONICA SERPYLLIFOLIA L. var. HUMIFUSA (Dicks.) Vahl. Frequent in sedge meadow near Swan Lake. RJS 920.

VERONICA WORMSKJOLDII Roem. & Schult. [*V. alpina* L.] Frequent in upper portions of North and South Cascade Canyons, Surprise Lake and Static Peak. LCA 219, RJS 627.

SOLANACEAE

*HYOSCYAMUS NIGER L. Henbane. Frequent; a recent invader to disturbed areas at Jackson Lake Lodge. RJS 1476.

UMBELLIFERAE

ANGELICA ARGUTA Nutt. [*A. lyallii* S. Wats.] Frequent ½ mile north of Biological Station. WGS 4175.

ANGELICA PINNATA S. Wats. Common on the forested moraines of the valley. RJS 642.

BUPLEURUM AMERICANUM Coult. & Rose. Frequent east shore of Timberline Lake, 10,400 ft. RJS 1585.

CYMOPTERUS HENDERSONII (Coult. & Rose) Cronq. [*Pteryxia hen-*

- dermoni* C. & R.) M. & C.] Frequent in major canyons above 9,000 ft. RJS 1013, JM 63-10.
- HERACLEUM LANATUM Michx. Cowparsnip. Common in moist areas throughout the valley and lower parts of the canyons. HEB 1830.
- LIGUSTICUM FILICINUM S. Wats. Frequent in moist aspen groves and coniferous forests of the valley and major canyons. RJS 1007, HEB 278.
- LOMATIUM AMBIGUUM (Nutt.) Coult. & Rose. Desert Parsley. Frequent in roadside cuts north of Moose. RJS 1325.
- LOMATIUM DISSECTUM (Nutt.) Math. & Const. var. MULTIFIDUM (Nutt.) Math. & Const. Frequent on valley moraines and the North Fork of Cascade Canyon. RJS 1570, JFR 2222.
- LOMATIUM MONTANUM Coult. & Rose. Outwash plain east of Moose. ETO 1155.
- LOMATIUM SIMPLEX (Nutt.) Macbr. Frequent in the Wildlife Range. JFR 1930.
- OROGENIA LINEARIFOLIA S. Wats. Indian Potato. Frequent in sagebrush in vicinity of Park Hdqts. BH 2051.
- OSMORHIZA CHILENSIS Hook. & Arn. Sweetroot. Frequent in deep shade back of park Hdqts. RJS 628.
- OSMORHIZA DEPAUPERATA Phil. [*O. obtusa* (Coult. & Rose) Fern.] Bank of Bradley Creek, and Wildlife Range. LW 1128, JFR 2071.
- OSMORHIZA OCCIDENTALIS (Nutt.) Torr. Common in aspen stands of the Wildlife Range. JFR 2108.
- PERIDERIDIA BOLANDERI (A. Gray) A Nels. & Macbr. Sagebrush flats near Moose. JFR 2217.
- PERIDERIDIA GAIRDNERI (Hook. & Arn.) Mathias. Yampa. Common throughout the valley floor. RJS 690.
- SIUM SUAVE Walt. Waterparsnip. Frequent in ponds of the northern part of the valley. RJS 1572, WGS 4585.

URTICACEAE

- URTICA DIOICA L. var. PROCERA (Muhl.) Wedd. [*U. gracilis* Ait.] Stinging Nettle. Abundant along roadsides and other waste places, especially on the Wilson Road just one mile south of Moose. JFR 2195.

VALERIANACEAE

- VALERIANA ACUTILOBA Rydb. Valerian. Skyline Pass, 10,500 ft. LCA 157.
- VALERIANA EDULIS Nutt. Willow Flats. ETO 1130.
- VALERIANA OCCIDENTALIS Heller. Infrequent above Phelps Lake Lookout on Skyline Trail, 9,500 ft. RJS 670.

VIOLACEAE

- VIOLA ADUNCA J. E. Smith. Violet. Frequent on the north and east shores of Lake Solitude, 9,024 ft., also on the west bank of the Snake River. RJS 953, 914.

VIOLA CANADENSIS L. var. RUGULOSA (Greene) C. L. Hitchc. Rare in plantings of Colter Bay Amphitheater Stage. RJS 1545.

VIOLA MACLOSKEYI Lloyd [*V. palustris* L.] Infrequent in moist areas on moraines of valley. RJS 937, 1199.

VIOLA PRAEMORSA Doug. ssp. LINGUAEFOLIA (Nutt.) Baker & Clausen [*V. nuttallii* Pursh.] Frequent in moist places in the timber, throughout the valley. RJS 611, LW 1091.

VIOLA PURPUREA Kellogg var. VENOSA (S. Wats.) Brainerd. Frequent on the east shore of Jenny Lake. RJS 618.

MONOCOTYLEDONEAE

ALISMACEAE

SAGITTARIA CUNEATA Sheld. Arrowhead. Frequent on the southeast shore of Two Ocean Lake, also in ponds around Jackson Lake. RJS 949, 1499, LW 1624.

CYPERACEAE

CAREX ABLATA Bailey. Sedge. Cascade Canyon. FWP 11981.

CAREX AQUATILIS Wahl. Common in the sedge meadow around Moran. JFR 997.

CAREX ATHROSTACHYA Olney. Common in the meadows around Moran. JFR 5046.

CAREX ATRATA L. Amphitheater Lake. JM 62-4.

CAREX AUREA Nutt. Common in the Wildlife Range and south to Moose. JFR 2274, RJS & WD 1526.

CAREX BREVIPES W. Boott. Infrequent in woods Amphitheater Cirque. JM 62-96.

CAREX CANESCENS L. Cascade Canyon in wet location. FWP 11982.

CAREX CHALCIOLEPIS Holm. Common in meadows of Amphitheater Cirque. JM 62-47.

CAREX DIANDRA Schrank. Infrequent Swan Lake. WGS 3994.

CAREX DISPERMA Dewey. Fork of Cascade Canyon. HEB 1819.

CAREX DOUGLASII Boott. Common in waste places of the Wildlife Range. JFR 2264.

CAREX EASTWOODIANA Stacey. Common in the big sagebrush of the Wildlife Range. JFR 1442.

CAREX ELYNOIDES Holm. Amphitheater and Surprise Lakes Cirque. JM 62-33.

CAREX FESTIVELLA Mke. Common in area of Wildlife Range. JFR 991.

CAREX GEYERI Boott. Common in the coniferous forest of the valley and canyons up to 9,700 ft. JFR 1919, JM 63-41.

CAREX HAYDENIANA Olney. Frequent along Spread Creek. JFR 2298.

CAREX HOODII Boott. Cascade Canyon and Wildlife Range. FWP 11986.

CAREX KELLOGGII Boott. Cascade Canyon in wet location. FWP 11983.

- CAREX LAEVICULMIS Meinsh. Cascade Canyon in wet location. FWP 11985.
- CAREX LANGUINOSA Michx. Frequent in wet areas of the Wildlife Range. JFR 1616.
- CAREX LIMNOPHILA Hermann. Frequent in wet areas of the Wildlife Range. JFR 1628.
- CAREX MICROPTERA Mxze. Spread Creek and Wildlife Range. JFR 2298, 1571.
- CAREX NEBRASKENSIS Dewey. Common in wet areas of the Wildlife Range. JFR 2322.
- CAREX NEUROPHORA Mxze. South Fork of Cascade Canyon. HEB 187.
- CAREX NIGRICANS C. A. Meyers. Shores of Amphitheater Lake and Holly Lake. FWP 11988, JM 63-93.
- CAREX PETASATA Dewey. Meadows of Wildlife Range. JFR 2014.
- CAREX PHAEOCEPHALA Piper. Frequent in the meadows of the Wildlife Range. JFR 1571.
- CAREX PODOCARPA R. Br. Paintbrush Canyon in rather wet locations. FWP 11992.
- CAREX PRAEGRACILIS Boott. Common in Wildlife Range. JFR 2054.
- CAREX PYRENAICA Wahl. Webb Canyon near tree line. AAB (no number).
- CAREX RAYNOLDSII Dewey. Frequent along Snake River and Death Canyon. ETO 1013.
- CAREX ROSSII Boott. Abundant on trail below Surprise Lake. FWP 11989.
- CAREX ROSTRATA Stokes. Common in wet areas of the Wildlife Range and Bradley Lake. JFR 1499, RJS 1209.
- CAREX TOLMIEI Boott. Major canyons above 8,000 ft. JM 63-46.
- CAREX VALLICOLA Dewey. Frequent in the meadows of the Wildlife Range. JFR 2247.
- CAREX VESICARIA L. Frequent in wet areas of the Wildlife Range. JFR 1191.
- ELEOCHARIS ACICULARIS (L.) Roem. & Schult. Spike Rush. Common on mud near Two Ocean Lake. JFR 2652.
- ELEOCHARIS MACROSTACHYA Britton. Common in wet areas of the Wildlife Range and on the shores of String Lake. RJS 958, JFR 2058.
- ELEOCHARIS OBTUSA (Willd.) Schult. Frequent in the meadows of the Wildlife Range. JFR 1981.
- ELEOCHARIS PAUCIFLORA (Lightf.) Link. Frequent in wet areas of the Wildlife Range. JFR 1967.
- ERIOPHORUM VIRIDI-CARINATUM (Engelm.) Fern. Cottonsedge. Locally frequent 1 mile below Columbine Cascade, Waterfall Canyon. RJS 1469.
- SCIRPUS ACUTUS Muhl. Bulrush. Common in shallow pond east of Colter Bay Village. RJS 1242.

SCIRPUS SUBTERMINALIS Torr. Rare in beaver ponds along Snake River. JFR 1583.

GRAMINEAE

AGROPYRON ALBICANS Scribn. & Smith. Wheatgrass. Infrequent in the sagebrush flats. AAB 11750.

*AGROPYRON CRISTATUM (L.) Gaertn. Locally frequent in disturbance areas around Colter Bay. RJS 1548.

AGROPYRON DASYSTACHYUM (Hook.) Scribn. Infrequent in sagebrush areas of the Wildlife Range. JFR 1415, ETO 1522.

AGROPYRON SCRIBNERI Vasey. Common on rocky slopes throughout alpine zone and around shores of subalpine lakes. LW 1036, JM 63-71.

AGROPYRON SPICATUM (Pursh) Scribn. & Smith. Frequent near Biological Station. ETO 1004.

AGROPYRON SUBSECUNDUM (Link) A. S. Hitchc. Frequent in the streamside forest of the Wildlife Range. JFR 1638.

AGROPYRON TRACHYCAULUM (Link) Malte. Frequent along the Snake River. RJS 947.

*AGROSTIS ALBA L. Bentgrass. Frequent, moist aspen groves of the Wildlife Range. JFR 1241.

AGROSTIS EXARATA Trin. Frequent in waste places of the Wildlife Range. JFR 1010.

AGROSTIS HUMILIS Vasey. Amphitheater Lake. LW 1480, 1033.

AGROSTIS SCABRA Willd. var. GEMINATA (Trin.) Swallen. Common in waste places throughout the valley. JFR 1426, JM 62-106.

AGROSTIS THURBERIANA A. S. Hitchc. Rare in vicinity of Holly Lake. JM 63-97.

ALOPECURUS AEQUALIS Sobol. Foxtail. Frequent on mud and wet sand in Pacific Creek area. JFR 907.

BECKMANNIA SYZIGACHNE (Steud.) Fern. Sloughgrass. Infrequent near margin of Pacific Creek. JFR 908.

BROMUS ANOMALUS Rupr. Bromegrass. Frequent along Snake River. JFR 1345.

BROMUS CARINATUS Hook. & Arn. Common in the sagebrush flats and Snake River. RJS 942, JFR 1347.

BROMUS CILIATUS L. Common along the Snake River. RJS 944, JFR 1558.

*BROMUS COMMUTATUS Schrad. Infrequent along roadsides of the valley. JFR 2515.

*BROMUS INERMIS Leyss. Common under aspen near Snake River, Wildlife Range. JFR 1245.

*BROMUS JAPONICUS Thunb. Infrequent along roadsides of the Wildlife Range. JFR 3017.

BROMUS MARGINATUS Nees. Frequent in meadow at mouth of Berry Creek. AAB 14247.

- *BROMUS TECTORUM L. Common in disturbed areas. JFR 2150.
- CALAMAGROSTIS CANADENSIS (Michx.) Beauv. Reedgrass. Common in meadows of the Wildlife Range and west end of Amphitheater Lake. JFR 2660, JM 62-94.
- CALAMOGROSTIS INEXPANSA A. Gray. Frequent in damp areas in Wildlife Range. JFR 1608.
- CALAMAGROSTIS RUBESCENS Buckl. Frequent in "potholes" of the valley floor. ETO.
- CALAMAGROSTIS SCRIBNERI Beal. East side Timbered Island. ETO 1287.
- CATABROSA AQUATICA (L.) Beauv. Brookgrass. Along Snake River east of Wildlife Range. C. LaMotte (no number).
- CINNA LATIFOLIA (Trev.) Griseb. Woodreed. Cascade Canyon trail, 8,000 ft. JFR 3006.
- *DACTYLIS GLOMERATA L. Orchardgrass. Frequent on the banks of the Snake River near Moose. RJS 946.
- DANTHONIA CALIFORNICA Boland. Oatgrass. Dry ledges in Cascade Canyon, 7,500 ft. JFR 2994.
- DANTHONIA INTERMEDIA Vasey. Frequent in elk pasture of the Wildlife Range and above Amphitheater Lake. JFR 2508, LW 1409.
- DANTHONIA UNISPICATA (Thurb.) Munro. Locally frequent to infrequent in sagebrush flats. RJS 956, 1539.
- DESCHAMPSIA ATROPURPUREA (Wahl.) Scheele. Hairgrass. Common in major canyons and around subalpine lakes. JM 3012.
- DESCHAMPSIA CAESPITOSA (L.) Beauv. Frequent on Moose Island in the Snake River, Wildlife Range, and in Willow Flats. JFR 1180, ETO 1209.
- ELYMUS CINEREUS Scribn. & Merr. Wildrye. Common in waste places. LW 1320.
- ELYMUS GLAUCUS Buckl. Frequent along the Snake River in the vicinity of Moose. RJS 947.
- FESTUCA IDAHOENSIS Elmer. Fescue. Common in sagebrush flats of the valley. JFR 1424.
- FESTUCA OVINA L. Frequent on north side of Holly Lake, 9,600 ft. JM 63-60.
- GLYCERIA BOREALIS (Nash) Batchelder. Mannagrass. Frequent on margins of small ponds in the Wildlife Range. JFR 1500.
- GLYCERIA ELATA (Nash) A. S. Hitchc. Frequent in wet areas of the Wildlife Range. JFR 1566.
- GLYCERIA STRIATA (Lam.) A. S. Hitchc. Frequent in Pacific Creek bed. JFR 917.
- HESPEROCHLOA KINGII (S. Wats.) Rydb. [*Festuca kingii* Cassidy] Spike Fescue. North side of Holly Lake. JM 63-70.
- HIEROCHLOE ODORATA (L.) Beauv. Sweetgrass. Infrequent in the Pacific Creek area and Wildlife Range. JFR 2254.

HORDEUM BRACHYANTHERUM Nevski. Meadow Barley. Common in the driest parts of the willow sedge area in the Wildlife Range. JFR 1535.

**HORDEUM JUBATUM* L. Common in waste places. JFR 1504.

KOELERIA CRISTATA (L.) Pers. Junegrass. Common in the sagebrush flats. RJS 960, JFR 1410.

MELICA SPECTABILIS Scribn. Purple Oniongrass. Frequent in meadows of the Wildlife Range, and on the moraines of the valley floor. RJS 907, JFR 1343.

MUHLENBERGIA ANDINA (Nutt.) A. S. Hitchc. Foxtail Muhly. Common in sandy area near Pacific Creek. JFR 2536.

MUHLENBERGIA FILIFORMIS (Thurb.) Rydb. Frequent on sand in streambeds of the Wildlife Range. JFR 1577.

MUHLENBERGIA RACEMOSA (Michx.) BSP. Frequent in the meadows of the Wildlife Range. JFR 1004.

MUHLENBERGIA RICHARDSONIS (Trin.) Rydb. Frequent in the pot-hole area south of Jackson Lake. JFR 2722.

ORYZOPSIS ASPERIFOLIA Michx. Ricegrass. In Lodgepole-Pilgrim Creek. ETO 1523.

ORYZOPSIS EXIGUA Thurb. Frequent in vicinity of Holly Lake. JM 63-53.

ORYZOPSIS HYMENOIDES (Roem. & Schult.) Ricker. Big sagebrush community of the valley. D. R. Smith (no number).

PHALARIS ARUNDINACEA L. Canarygrass. Infrequent in wet areas of the Wildlife Range. JFR 2761.

PHLEUM ALPINUM L. Alpine Timothy. Frequent in the major canyons from 7,000 ft. to 10,000 ft. JM 62-51.

PHRAGMITES COMMUNIS Trin. Common Reed. Infrequent in water south of foot bridge, north end of String Lake. RJS 1082.

POA ALPINA L. Alpine Bluegrass. Owl Creek Canyon and Webb Canyon. AAB (no number).

POA AMPLA Merr. Berry Creek exclosure area. AAB (no number).

**POA ANNUA* L. Frequent in the Wildlife Range. JFR 1060.

POA ARCTICA R. Br. Webb Canyon, 8,000 ft. AAB (no number).

**POA BULBOSA* L. Frequent in disturbance sites at Colter Bay Maintenance Area. RJS 1550.

POA CANBYI (Scribn.) Piper. Common in aspen groves and meadows of the Wildlife Range. JFR 1342.

POA EPILIS Scribn. Common in woods, Holly Lake, 9,500 ft. JM 63-36.

POA FENDLERIANA (Steud.) Vasey. Frequent in the Elk Ranch and Amphitheater Lake. JFR 2321.

POA INCURVA Scribn. & Williams. Infrequent on cliffs overlooking Teton Glacier. JM 62-107.

POA INTERIOR Rydb. Frequent in the sagebrush flats. JFR 1407.

- POA LEPTOCOMA Trin. Frequent in wet areas of the Wildlife Range. JFR 1064.
- POA NERVOSA (Hook.) Vasey. Common in the forests of the Wildlife Range and Amphitheater Cirque. JFR 2249, LW 1035.
- POA PALUSTRIS L. Frequent in the meadows of the Wildlife Range. JFR 1393.
- POA PATTERSONII Vasey. Infrequent east end of Holly Lake. JM 63-35.
- *POA PRATENSIS L. Frequent along the Snake River. RJS 943, JFR 918.
- POA REFLEXA Vasey & Scribn. Webb Canyon near tree line. AAB (no number).
- POA SANDBERGII Vasey. [*Poa secunda* of American authors, not Presl.] Webb Canyon near tree line. AAB (no number).
- SITANION HYSTRIX (Nutt.) J. G. Smith. Squirreltail. Frequent in waste places. JFR 1420.
- SPHENOPHOLIS OBTUSATA (Michx.) Scribn. Wedgegrass. Infrequent along the Snake River. JFR 2539.
- STIPA COLUMBIANA Macoun. Needlegrass. Common in the meadows and forests of the Wildlife Range. JFR 939.
- STIPA LETTERMANII Vasey. Common in the sagebrush flats. JFR 1402.
- STIPA RICHARDSONII Link. Frequent in the lodgepole pine forest of the Wildlife Range. JFR 947.
- STIPA VIRIDULA Trin. Frequent in Webb Canyon. AAB (no number).
- TORREYCHLOA FERNALDII (Hitchc.) Church. Infrequent 1½ miles south of Moose. B. Venrick (no number).
- TORREYCHLOA PAUCIFLORA (Presl) Church. [*Glyceria p.* Presl.] Frequent on margin of Pacific Creek bed. JFR 919.
- TRisetum SPICATUM (L.) Richt. Common in the coniferous forests of the valley and Amphitheater Lake. JFR 1048, JM 62-34.
- TRisetum WOLFII Vasey. Infrequent in the sagebrush of the Wildlife Range. JFR 1087.

HYDROCHARITACEAE

- *ELODEA CANADENSIS Michx. Waterweed. Locally frequent at Two Ocean Lake outlet. D. Houston (no number).

IRIDACEAE

- SISYRINCHIUM IDAHOENSE Bickn. Blue-Eyed Grass. Frequent two miles north of Moose on east bank of Snake River. RJS 537.
- SISYRINCHIUM SARMENTOSUM Suksd. Locally frequent in wet meadow north of Cow Lake. RJS 1449.

JUNCACEAE

- JUNCUS BALDICUS Willd. Rush. Locally common in wet areas of the Wildlife Range. JFR 1605.
- JUNCUS BUFONIUS L. Common on moist sand in the Wildlife Range. JFR.

JUNCUS CONFUSUS Cov. Frequent in the sedge meadow of the Wildlife Range. JFR.

JUNCUS DRUMMONDII Meyer. Locally frequent around subalpine lakes and some peaks. RJS 1567, LCA 440.

JUNCUS ENSIFOLIUS Wikstr. Common in wet areas of the Wildlife Range and Willow Flats. JFR 1603, ETO 1264.

JUNCUS FILIFORMIS L. Rare in the sedge meadow of the Wildlife Range. JFR 1090.

JUNCUS LONGISTYLIS Torr. Common in wet areas of the Wildlife Range. JFR 1627.

JUNCUS MERTENSIANUS Bong. Stream bank near Lake Solitude, and Holly Lake. LW 1702, JM 63-83.

JUNCUS PARRYI Engelm. Frequent in the sedgegrass meadows of the Wildlife Range and up to 7,500 ft. of the slopes of Symmetry Spire. RJS 968.

JUNCUS SAXIMONTANUS A. Nels. Frequent along streambeds of the Wildlife Range. RJS 1217, JFR 897.

JUNCUS TRACYI Rydb. Frequent in main couloir on the east face of Symmetry Spire, 8,000 ft. RJS 967.

LUZULA GLABRATA (Hoppe) Desf. Woodrush. Common in Holly Lake area. FWP 11945, JM 63-91.

LUZULA SPICATA (L.) DC. Near summit of Table Mt., 10,900 ft. LCA 435, 527.

LUZULA WAHLENBERGII Rupr. Frequent, Timberline Lake and Amphitheater Lake. RJS 1153, 1595.

LEMNACEAE

LEMMA MINOR L. Duckweed. Locally common in small quiet ponds in the vicinity of Jackson Lake Dam. RJS 911, 1604.

LEMMA TRISULCA L. Infrequent on surfaces of quiet ponds in vicinity of Jackson Lake Dam. JFR 2543.

SPIRODELA POLYRHIZA (L.) Schleid. Great Duckweed. Moose Ponds—west of Jenny Lake. C. W. Lahser 508.

LILIACEAE

ALLIUM BREVISTYLUM S. Wats. Wild Onion. Frequent along Snake River below Jackson Lake Dam. RJS 535, LW 1211.

ALLIUM RUBRUM Osterhout. Locally common ¼ mile downstream from Jackson Lake Dam, south side. RJS 1507.

ALLIUM SCHOENOPRASUM L. Frequent along Snake River and into canyons up to 8,500 ft. RJS 972, LW 1227.

BRODIAEA DOUGLASII (Lindl.) S. Wats. Infrequent in the area of the Sawmill Ponds. RJS 510, LW 789.

CALOCHORTUS NUTTALLII Torr. Sego Lily. Infrequent on east side of valley on Gros Ventre Slide Road, also reported on Blacktail Butte. RJS.

CAMASSIA QUAMASH (Pursh) Greene. Blue Camas. Locally frequent

- in wet meadows of the valley north of Jackson Lake Dam. RJS 518, 841.
- DISPORUM TRACHYCARPUM (S. Wats.) B. & H. Wartberry Fairy Bells. Frequent along the Snake River, and in the mouth of Death Canyon. RJS 739, 1005.
- ERYTHRONIUM GRANDIFLORUM Pursh. Fawnlily. Common in North Fork of Cascade Canyon above 8,000 ft. RJS 1202.
- FRITILLARIA ATROPURPUREA Nutt. Purplespot Fritillary. Infrequent on trails around valley lakes. RJS 622, LW 1137.
- FRITILLARIA PUDICA (Pursh) Spreng. Common in the sagebrush flats. LW 1097.
- LLOYDIA SEROTINA Reichb. Alplily. Infrequent at the head of Death Canyon, 9,600 ft. HEB 207.
- SMILACINA RACEMOSA (L.) Desf. var. AMPLEXICAULIS (Nutt.) S. Wats. False Solomon Seal. Frequent around the shores of the valley lakes and along the Snake River. RJS 1198, LW 1120.
- SMILACINA STELLATA (L.) Desf. Frequent around the shores of the valley lakes and along the Snake River. RJS 619.
- STREPTOPUS AMPLEXIFOLIUS (L.) DC. Twisted Stalk. Frequent along stream, trail west shore of Jenny Lake, also John Graul Mine in Webb Canyon. RJS 882, 1464.
- TOFIELDIA GLUTINOSA (Michx.) Pers. ssp. MONTANA C. L. Hitchc. Infrequent around Bradley and Leigh Lakes, also around some sub-alpine lakes above 9,000 ft. RJS 681, 1559, LW 1195.
- VERATRUM ESCHSCHOLTZIANUM (R. & S.) Rydb. [*V. viride* of intermountain authors not Ait.] Locally frequent in wet meadow beside trail to Phelps Lake, $\frac{3}{4}$ of a mile above White Grass Patrol Cabin. RJS 869.
- XEROPHYLLUM TENAX (Pursh) Nutt. Beargrass. Locally frequent in wet soil at the east end of Grassy Lake Dam near divide of Reclamation Road, 10 miles west of Flag Ranch, 6,900 ft. RJS 850. Rare in Waterfall Canyon-no specimen-only photograph seen.
- ZIGADENUS ELEGANS Pursh. Death Camas. Infrequent on ledges around Amphitheater Lake. LW 1012.
- ZIGADENUS PANICULATUS S. Wats. Frequent in the sagebrush flats and Elk Island in Jackson Lake. RJS 511, 1320.
- ZIGADENUS VENENOSUS S. Wats. Locally frequent in major canyons above 9,000 ft. RJS 678, 1463.

POTAMOGETONACEAE

- POTAMOGETON ALPINUS Balbis var. TENUIFOLIUS (Raf.) Ogden. Pondweed. Frequent in ponds of the Wildlife Range. JFR.
- POTAMOGETON BERCHTOLDII Fieb. Frequent in beaver ponds of Wildlife Range. JFR 1521.
- POTAMOGETON FILIFORMIS Pers. Common in ponds in the north end of the valley. JFR 1524, WGS 4269.

- POTAMOGETON FOLIOSUS Raf. Submerged in Swan Lake. WGS 4070.
 POTAMOGETON FRIESII Rupr. Frequent in Wildlife Range. JFR 1511.
 POTAMOGETON GRAMINEUS L. Frequent in ponds of Wildlife Range.
 JFR 1497.
 POTAMOGETON NATANS L. Swan Lake. WGS 4071.
 POTAMOGETON RICHARDSONII (Benn.) Rydb. Common in ponds of
 the Wildlife Range and Swan Lake. RJS 709, WGS 3999.
 POTAMOGETON ZOSTERIFORMIS Fern. Submerged in Swan Lake.
 WGS 4067.

ORCHIDACEAE

- CALYPSO BULBOSA (L.) Oakes. Fairy Slipper Orchid. Infrequent in
 deep shade and local areas of decaying wood in the valley. RJS 698,
 1538.
 CORALLORHIZA MACULATA Raf. Coralroot. Frequent in morainal
 soil around the shores of the valley lakes. RJS 1019, WGS 4544.
 CORALLORHIZA MERTENSIANA Bong. Frequent in lodgepole around
 valley lakes. RJS 1554, 1205.
 CORALLORHIZA STRIATA Lindl. Rare on first switchback in the
 mouth of Death Canyon, 6,700 ft., also Bradley Lake Bridge. RJS 843,
 1551.
 CORALLORHIZA TRIFIDA Chat. Teton Glacier Trail. HVT 54378.
 GOODYERA OBLONGIFOLIA Raf. Rattlesnake Plantain. Rare at south
 end of String Lake on the String Lake Trail and on second switchback
 above Hidden Falls Bridge. RJS 689, 961.
 HABENARIA DILATATA (Pursh) Hook. Bog Orchid. Infrequent in wet
 areas on moraines and the major canyons up to 8,500 ft. RJS 995, 1208.
 HABENARIA HYPERBOREA (L.) R. Br. Infrequent along Snake River
 near Biological Station. WGS 3922, ETO 1022.
 HABENARIA OBTUSATA (Banks) Richards. Rare at the base of the
 north slope of Signal Mt. WGS 4100.
 HABENARIA UNALASCENSIS (Spreng.) S. Wats. Locally frequent in
 shade of lodgepole on the east side of Jackson Lake. RJS 660, 1415.
 LISTERA CONVALLARIOIDES (Sw.) Nutt. Rare on west shore of
 Jenny Lake. RJS 542, WGS 4224.
 LISTERA CORDATA (L.) R. Br. Locally frequent near pond on Elk
 Island, Jackson Lake and Indian Paintbrush Canyon Trail. RJS 1509,
 1515.
 SPIRANTHES ROMANZOFFIANA Cham. & Schlecht. Ladies' Tresses.
 Frequent along the Snake River and ponds east of Colter Bay. RJS
 672, 1529.

SPARGANIACEAE

- SPARGANIUM ANGUSTIFOLIUM Michx. Burreed. Infrequent in bea-
 ver ponds along the Snake River and ponds near Colter Bay. RJS 714,
 959, 1573.

TYPHACEAE

TYPHA LATIFOLIA L. Cattail. Locally common in wet areas of the Wildlife Range. JFR 1649.

STATISTICAL SUMMARY OF THE VASCULAR PLANTS
OF GRAND TETON NATIONAL PARK¹

	Indigenous			Naturalized Additional		
	<i>Families</i>	<i>Genera</i>	<i>Species</i>	<i>Families</i>	<i>Genera</i>	<i>Species</i>
Pteridophytes	7	15	19	0	0	0
Gymnosperms	2	5	9	0	0	0
Dicotyledons	56	211	489	5	34	60
Monocotyledons	10	60	177	1	2	12
Totals:	75	291	694	6	36	72

Grand Totals:	
Families	81
Genera	327
Species	766

Largest Families (Native + Naturalized Species)								
Compositae	96	+	19	Leguminosae	20	+	9	
Gramineae	73	+	11	Ranunculaceae	27	+	0	
Cyperaceae	43	+	0	Saxifragaceae	24	+	1	
Cruciferae	29	+	9	Liliaceae	20	+	0	
Scrophulariaceae	34	+	3	Salicaceae	20	+	0	
Rosaceae	34	+	2					

Largest Genera (Native + Naturalized Species)								
Carex	36	+	0	Ranunculus	11	+	0	
Poa	14	+	3	Astragalus	10	+	0	
Salix	16	+	0	Antennaria	10	+	0	
Potentilla	14	+	0	Erigeron	10	+	0	
Juncus	11	+	0	Senecio	10	+	0	

¹Based on table in: Thorne, R. F. 1967. A flora of Santa Catalina Island, California. Aliso 6: 1-77.

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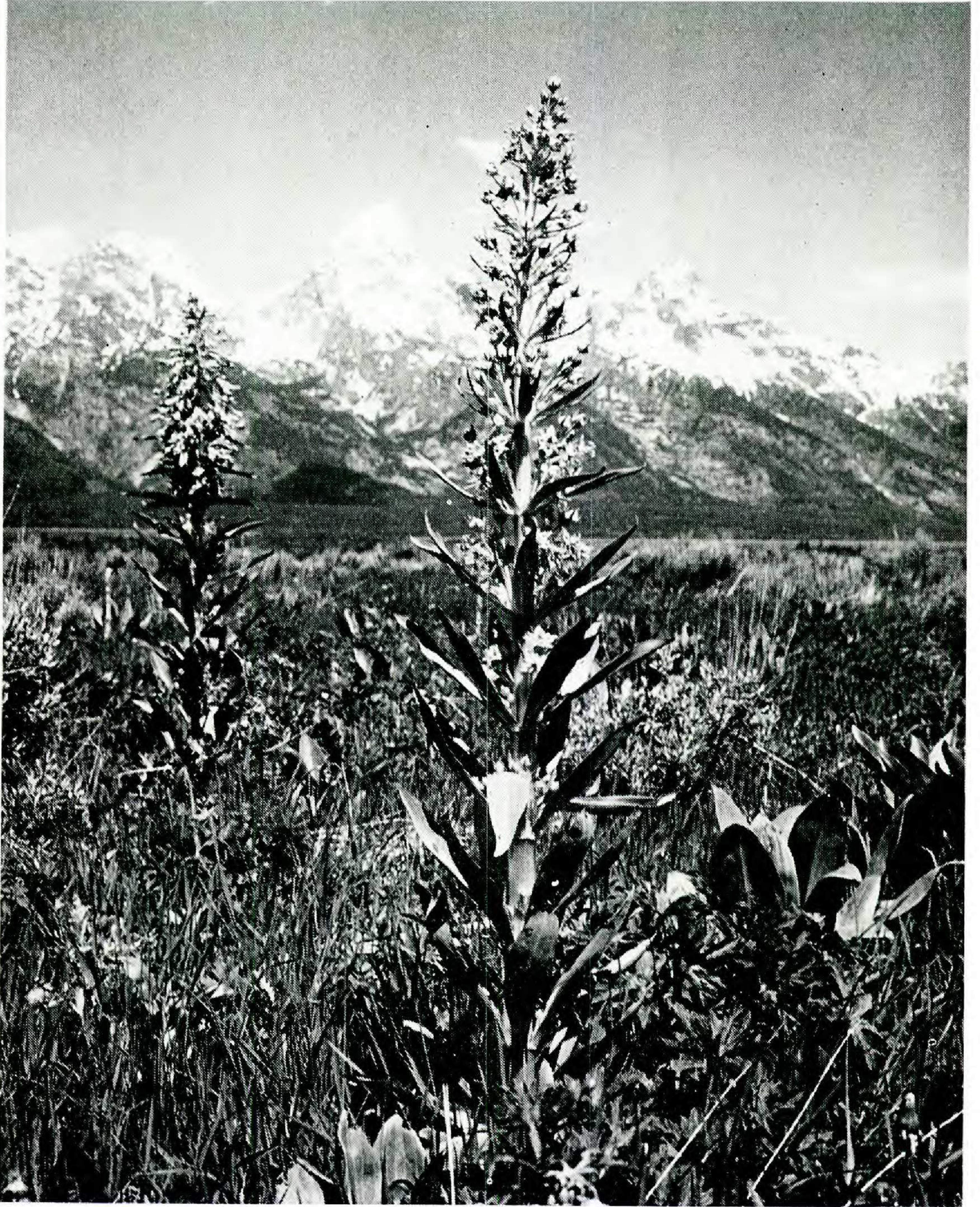
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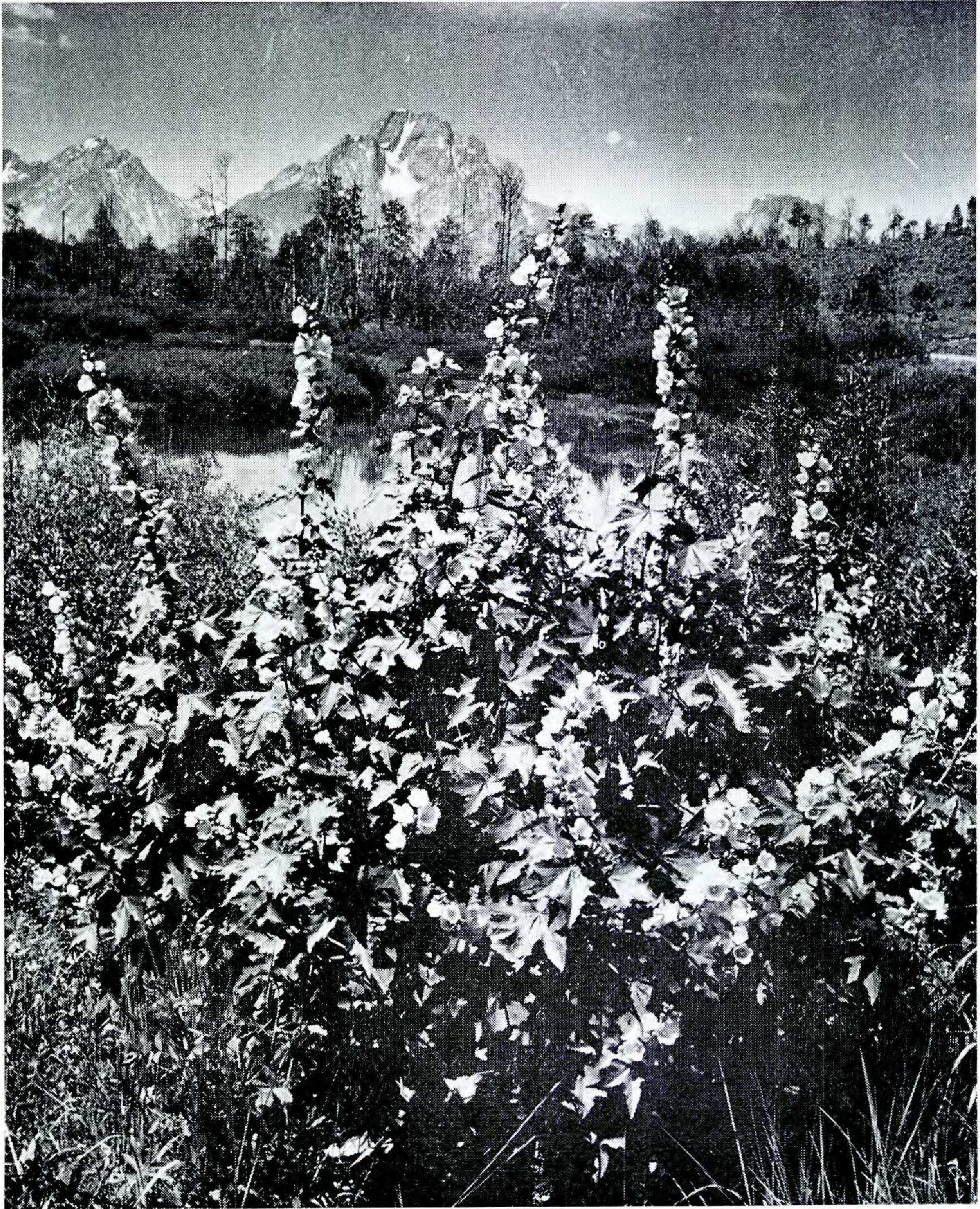
CARYOPHYLLACEAE: ARENARIA CONGESTA. Sandwort.



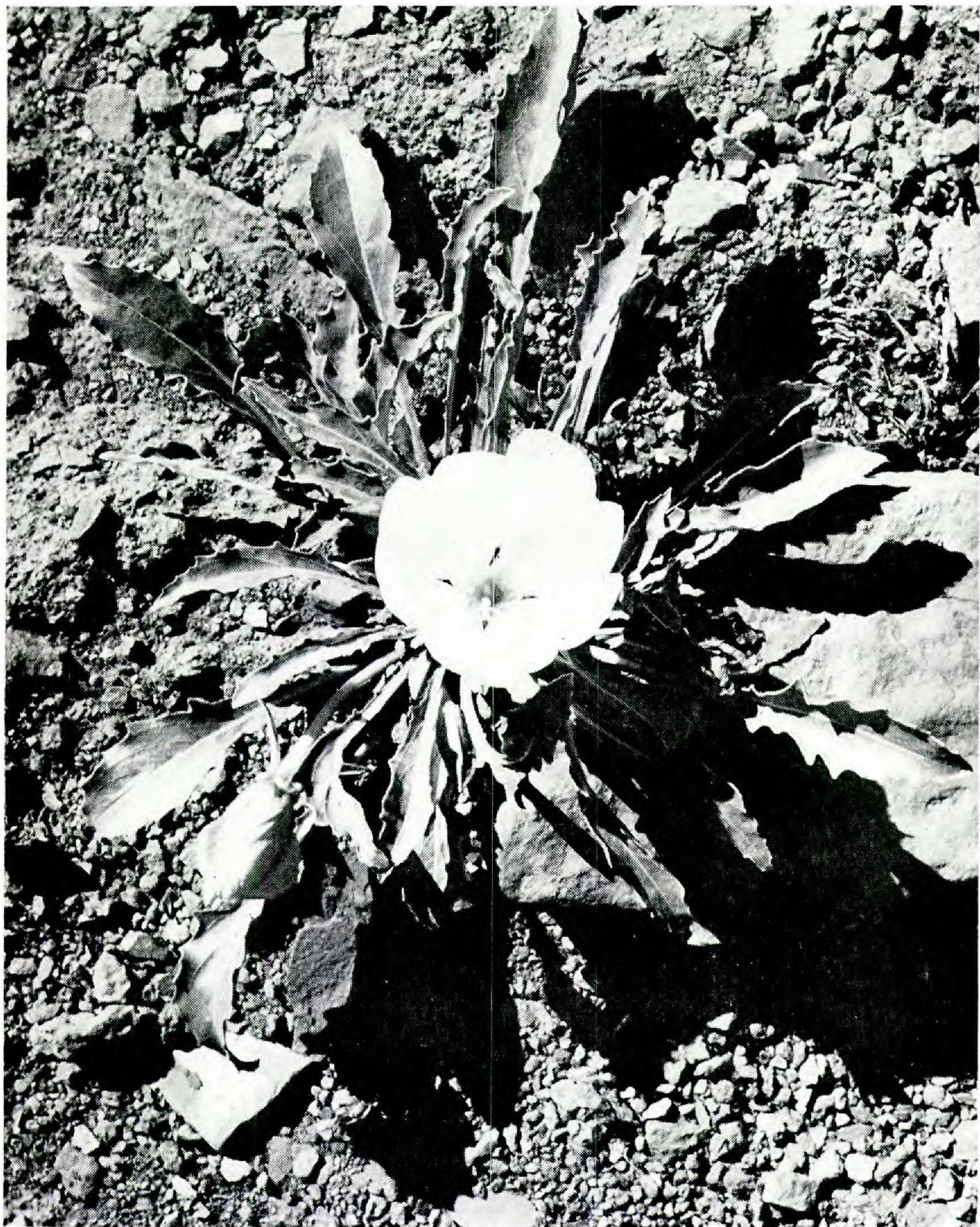
COMPOSITAE: BALSAMORHIZA SAGITTATA. Balsamroot.



GENTIANACEAE: FRASERA SPECIOSA. Green gentian.



MALVACEAE: ILIAMNA RIVULARIS. Globemallow.



ONAGRACEAE: OENOTHERA CAESPITOSA. Evening primrose.



POLYGONACEAE: *ERIOGONUM UMBELLATUM* var. *SUBALPINUM*.
Eriogonum or wild buckwheat.



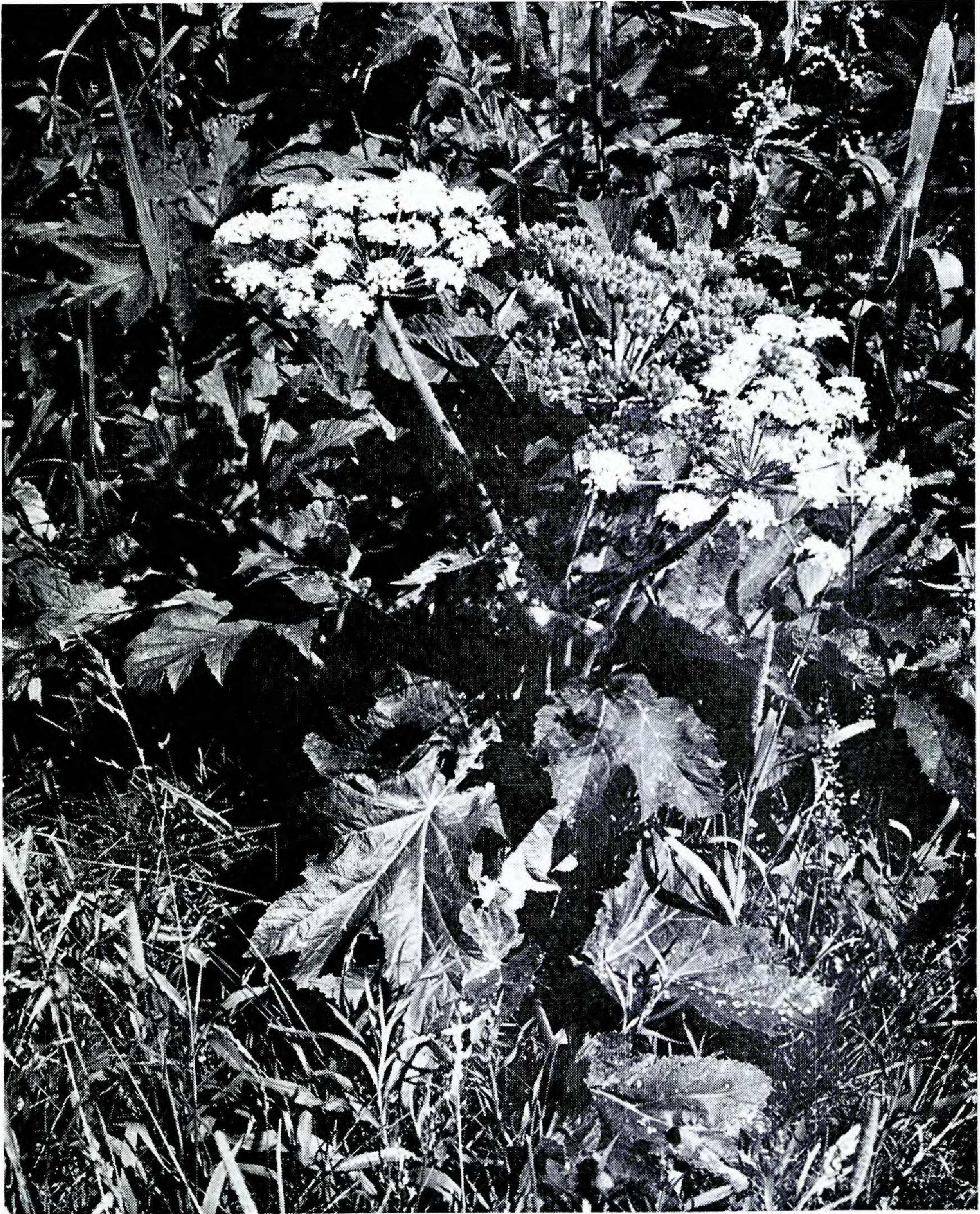
PORTULACACEAE: CLAYTONIA LANCEOLATA. Spring beauty.



PYROLACEAE: PYROLA ASARIFOLIA. Shinleaf.



RANUNCULACEAE: RANUNCULUS JOVIS. Buttercup.



UMBELLIFERAE: HERACLEUM LANATUM. Cowparsnip.



LILIACEAE: FRITILLARIA PUDICA. Yellow fritillary.